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houses large and neat on grouns, and he above property is sanged for one or two srespectfully. The oclay on the entire i improved, and the sirable. It is well align and especially I will make it an particular the stranger of the stranger o

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# AGRICULTURE TATE JOURNAL

JOHNSTONE & GIBBONS, Publishers

DETROIT, TUESDAY, JANUARY 26. 1886-WITH HOUSEHOLD.

15 x 32 in Clear

nineteenth century. Agriculture yet has

its needs. He spoke of the need of more

8 Foot Door

are giving su

2,000 in ten years and of these only 16

became farmers. It is, therefore, a fact

vide educated men for the farms of Michi-

gan. Hence the necessity of giving to

the common schools a good support. The

was warmly applauded and Messrs. Ball,

Hinds and Williams spoke of the various

points referred to. Mr. Ball said he could

as they knew how. Could remem-

ber some of his own shortcomings. Mr.

Hinds spoke of district schools and said

tlemen from a distance who by their pres

ence and participation in its proceedings

Resolved, That, for the excellent music

furnished by the singers in attendance, this Association extends its heartiest

thanks, and hopes that their journey

through life may be as pleasant and profit

nizes its obligations to the Editor of the

MICHIGAN FARMER for his presence at ou

clean and desirable a journal, void of a recital of hideous crimes and sensational

our high appreciation of the character

Thus ended one of the most pleasant

Farmers' Club and its members were un-

tiring in their efforts to make it a success,

of his paper.

have added so much to our pleasure and

in regard to them.

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"PRACTICE WITH THEORY AND SCIENCE."

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NUMBER 4

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Agricultural.

FARMERS' INSTITUTE.

Held under the Auspices of the Webster Farmers' Club, in the Township of Webster. Washtenaw County.

As announced in the FARMER some weeks ago, a Farmers' Institute was held at the Congregational church in the township of Webster, beginning on Tuesday, the 19th, and continuing through the following day and evening. The programme arranged for the occasion was as follows:

TUESDAY EVENING, JAN. 19. Music—Anthem.
Invocation—Rev. Wm. Jones.
Welcome Address—President of the Club,

Olsaver, Webster. 'Chinese Agriculture "-Prof. J. B. Steere,

WEDNESDAY MORNING, 9:30 A. M.

The Silent Educator"-I. G. McColl. "Different Methods in Agriculture"—Mrs.

E. S. Cushman, Deloi Miils.
"Frauds, General; Frauds, Particular"—C.
M. Starks, Webster.

Recess. AFTERNOON, 1:30.

Music.
"The Fa mer and His Relations to the Com-ercial Interests of the Country"—Hon. H Paper-Mrs. F. Chamberlain, Dexter.

"Success in Life, Its Aids and Hindrances -Wm. Ball, Hamburg.

EVENING SESSION. The Relation of the Stockman's Wife to Her Husband's Business"—Beatrix, of the House-HOLD of the MICHIGAN FARMER, Detroit.

Needs of Agriculture "-Prof. Samuel Johnson, Agricultural College, Lansing. Committee on Programme—Wm. Ball, W. E. Boyden, Mrs. Johnson Backus, President Merrill, and the Secretary, Miss Nellie Queal. The following are the officers of the

club: President-George Merrill.

Treasurer—Wm. Weston.
Recording Secretary—Miss Nellie Queal.
Corresponding Secretary—Irving C. Mc Vice-Presidents-Wm. Ball, George W Phelps.

By 7 o'clock on Tuesday evening the church was filled with an audience made up of the farmers of the vicinity, and others from Saline, Dexter, Hamburg, Ann Arbor, Ypsilanti and other towns. A few came from a distance, and felt well paid for attending. The President, Mr. Geo. Merrill, assumed the chair and called the meeting to order, and a fine choir, under the leadership of Mr. Erwin Ball, gave a musical selection, which was followed by an invocation by the Rev. Wm. Jones.

President Merrill then read a short ad-

dress in which he cordially welcomed the visitors present. He gave a short history of the Club, and advocated the forming of such an one in each township in the State. He spoke of the progress made in the past fifty years, especially referring to the neighborhood where the Club had its headquarters. It is only 61 years since the first white man settled in Washtenaw Co. At that time Michigan was believed to be a State worthless for agricultural purposes. He showed by statistics her present position as a producer of wheat. wool and other farm products, and compared her average of wheat per acre with other States. In connection with her educational interests he spoke in complimentary terms of the Agricultural College and the State University. In conclusion, he said that the preponderance in numbers of the farming community made it their own fault if the laws were not what they should be, and counselled united action to reform what was thought to be unjust or unwise in the laws of the

Mrs. Alice Olsaver, of Webster, followed with a paper on "People we Meet," Mrs. Olsaver read a very interesting essay, filled with descriptions of the peo ple met with in every day life, their characteristics, failings and merits. The de scriptions were graphic, humorous, and so apt in some cases as to draw forth the ap-

plause of her audience. This paper is rill could call the meeting to order, the to appear in full in the HOUSEHOLD and trouble being that the ladies in the neightherefore we refrain from making a sum- borhood had prepared an enormous

mary of it. and then Prof. J. B. Steere, of the State but it was a tight squeeze. Finally the University, gave a paper on "Chinese church filled up with a splendid audience, Agriculture." He depicted the difference between the methods of a country where labor was abundant and land scarce, as that seemed to strike everyone as particuopposite conditions obtain. He described | Montcalm Co., read a paper entitled "The the careful manner in which every Farmer and His Relations to the Commerinch of soil is cultivated, and the methods | cial Interests of the Country." Mr. Hinds adopted to secure the very largest re- said the farmer was interested in straight, turns. The land is divided into tracts, the | honest business. Having to work unceastillers living in villages in huts so small | ingly, and his avocation requiring untirthat they look like chicken coops; and irrigation is used to force the quickest and

greatest growth possible. After the choir had furnished some more music, an adjournment was taken till next morning at 9:30.

WEDNESDAY MORNING. The church was filled to overflowing, despite the blustering character of the weather, when President Merrill called the meeting to order. The choir gave 'The Jovial Farmer Boy" so as to draw repeated rounds of applause, when Mr. I. G. McColl, of Webster, presented a paper on "The Silent Educator." Mr. McColl spoke of the press as an educator. and the immense power, for good or for far from it, and his paper imparts a miasma to its readers. The editor must, however, pander to the tastes of his read-

public sentiment. ciate how true were the criticisms of the tendency of the daily press to sensation tragedy, illustrated with pictures of the | the community, is interested in the strictcriminal. It was a bad thing for children to be allowed to read such papers, and it was difficult to keep them out of their

acter of the press "Different Methods in Agriculture" was the caption of a paper presented by Mrs. E. S. Cushman, of Delhi Mills. The reader spoke of the early days in the settlement of Ohio, and the impression peowas fully believed that the State was not worth surveying. The reader then refer red to the early history of the west, the effect of immigration; gave a description of the farm owners in Great Britain, and their methods; also in Ireland, Germany and France, and then compared the condition and prospects of the agriculturists in America with those of other lands, and content in Michigan, the center of the golden belt."

The Rev. Mr. Jones took exceptions to some of the statements in regard to the condition of the English peasantry, but Mrs. Cushman and Mr. Ball gave some facts and figures that amply sustained the

statements of the paper. We will say right here that all the papers read by the ladies during the In stitute are in the hands of the Editor of | til 7:30. the HOUSEHOLD, and will appear from week to week. They were so generally good that it was deemed advisable to publish them in full, as no summary could do justice to them. This is the reason we make but few comments upon them.

"Frauds, General; Frauds, Particular." was the name of the paper presented by C. M. Starks of Webster, and he laid bare the frauds in this life with an unsparing hand, no matter where the shot struck. The paper had also a species of grim humor about it that greatly pleased his audience. We shall not attempt a summary of this paper. It is too good to be spoiled, and we propose giving it in full.

After some more music by the choir, a recess was taken until half-past one o'clock.

AFTERNOON SESSION. It was little late before President Mer-

amount of food, which they insisted had The choir gave some excellent musico to be eaten. The visitors got away alive, and after the President had rapped to order, the choir gave another selection compared with our own country where larly fine. Then H. H. Hinds, of Stanton, ing energy, his natural allies are honest, industrious and enterprising men, who are interested in the various productive industries of the country. To the lawless, dissipated and worthless portion of the community the farmer's in-

terests are entirely antagonistic. 'There need be no regrets that the farmer, his children, and his children's children are born to incessant and increasing toil. It seems to be a physical law that it requires work-actual, fatiguing work -to develop the staying qualities of our successful American citizens in all callings and professions. And I here make the assertion, without fear of contradiction, that nine-tenths of the men and be attributed to ignorance, but rather to women who have made this country great | neglect. Farmers all knew the necessity is the originator of every public func- and themselves famous were born to of having good seed corn, yet how many tionary, and each one is the greatest and great physical toil and exertion. The suffer from not having it. How many the best and the mainspring of every en. large majority of the successful business farmers can tell what their milk, butterprise. The love of notoriety makes and professional men engaged in the in. ter or other products are costing them? the press a power. The editor is not al dustries and manufacturing and mining How much does their wheat cost, and ways a good man; in fact he is frequently interests of our country, and in the various does it pay at 85 or 90 cents per bushel? professional callings, are graduates of the He spoke of average dairy herds with a farm and country, and are not city bred. It is the exception and not the rule, that ones, and others nearly valueless. Some ers to be successful. A paper is seldom the father, the son, and the grandson a tragedy on the other. The latter is necessary to infuse new blood from the these ideas depends his success. In agri-"People We Meet," Mrs. Alice The good newspaper exerts a wonderful the commerce of the country, should be careful thought as much, or more, than influence upon public opinion. The the embodiment of the strictest integrity, literary journal and its refining influence and should observe to the smallest parwas commented upon, and the ubiquitous | ticular, any contract regarding the sale or | upon the book farmer. He knew there man, to the fire, or the sick room of the abolition of all frauds and deceptions." highest position at once. In the dying, each detail noted and commented He instanced the butter fraud as one of press was the influence its teachings had try, and this great industry must go to upon the minds of the young, and it was the wall if this fraud was allowed to go on. Another pressing need in most agriculthe duty of parents to carefully watch the | Chicago sent out each year 10 millions of | tural sections is good district schools, character of the journals they allowed pounds of butter more than she received where nine tenths of our children are their children to read. Despite its from the country, and the excess came educated. The home school is the place shortcomings, however, the press was and | from the rendering tanks of that city. | where an education in the common Engis doing a great good in enlightening The consumer got no advantage from this. and was compelled to eat it under the im-Mr. C. F. Moore, Prof. Johnson and pression he was eating dairy butter. The 600 in 1883. Ann Arbor had graduated others warmly applauded the paper of cheese business was being injured in the Mr. McColl. Mr. Moore said no one who same way, and the farmers themselves had not brought up a family could appre- were somewhat responsible for this that we cannot rely upon colleges to prothrough their co-operative factories, paper. He then spoke of the prevailing for they partially skimmed the milk and sold the cheese. He took the ground alism, giving details of every crime and that the farmer, more than any man in farmers need to think more of the dignity

> est integrity in all lines of trade and business. This paper called out quite a discussion. way. He hoped for a better sentiment to in which Mr. Nordman, of Dexter, obtain among the public, and this would sustained the paper and spoke of the fraud farmers as a rule did not farm as well soon be reflected in a change in the char- practiced upon farmers by millers in defiance of law. He said that while the law gave them the right to take toll to the amount of one-tenth, some of them were not content with less than a sixth, and sometimes a fifth of the grain. He said he was glad the matter was being ventilated ple then had in regard to Michigan. It in the MICHIGAN FARMER, and thought

the farmers should look for a remedy. Mr. C. F. Moore, Mr. Peters and Mr. Stark discussed various points in the in the paper, and especially the oleomar-

garine frauds. Mrs. F.Chamberlain, of Dexter, follow ed with a paper on farm life, and especially the training and care of children, which gave general satisfaction to her closed with the advice that we should be hearers and enlisted their closest atten-

> tion. "Success in Life, its Aids and Hindrances," by Wm. Ball, of Hamburg, was paper entirely different from anything we have heard from the author before, and it was a very pleasant one to listen to with its sharp comments and earnest advice. We hope to give it in full before long.

A musical selection ended the afternoon's session, and a recess was taken un-

EVENING SESSION.

The church was crowded when the neeting was called to order. After some music, a paper entitled "The Relation of the Stockman's Wife to Her Husband's Business" was read by Beatrix. Editor of the MICHIGAN FARMER HOUSEHOLD, which will be given in full hereafter at the earnest request of some of the stockmen as well as ladies present. This paper was followed by music by the choir.

Mrs. H. H. Hinds of Stanton, was called upon for a recitation, and responded by giving "The Widow's Prayer" in a style which drew out merited applause.

Music by the choir followed, and then Prof. Samuel Johnson of the State Agricultural College, read a paper on "The Needs of Agriculture." He said the present might seem an inopportune time to refer to the needs of agriculture in this

Low Wall, end Alley ALLEY 6 FEET. Door 4 ft. MANGER FOR HORSES MANGER FOR CATTLE. 15 x 32 in Clear 6 ft. Door. Door 4% ft. Window. Side Walls are 8 feet high and 2 feet thick. Plan of Basement Barn on the Farm of Mr. George Merrill.

8 Foot Door.

Description of One in Washtenaw County. perfect cultivation and of better bred stock. But he referred specially to the WEESTER, Washtenaw Co., Jan. 5, 1886. To the Editor of the Michigan Farmer,

BARNS FOR MICHIGAN.

neglect of little things. This could not I see in last week's FARMER, that O. A. Sober, of Ypsilanti, calls for information on barn building. I have a basement barn built on level ground that I use for a grain, hay and stock barn. I will give plan of barn, so that Mr. Sober may get some ideas from it that may be of some benefit to him in building. Size of barn few good animals, a number of fair 40x64 ft., plan above basement. The barn has five bents and four spaces farmers had learned the necessity of spaces are all 16 ft.; length of posts 20 ft.; all bad or all good. On one page may be successively succeed to the same great having the work of their hands directed have a bay in each end of barn 16x40; have as sermon to the youth, with the details of business in our towns. It seems to be by thought. Upon the farmer's fidelity to two floors 16x40; as there is nothing between the two floors but posts it would always read more fully than the former. country. The farmer, in his relations to culture we want the active brain and the be the same as one floor 32x40; on front side of barn have a drive way 32 ft. with the brawny muscle. It used to be the bridge from driveway to barn floor. Each fashion for farmers to look with disgust floor has double doors, and when hooked together can be sent right and left; after reporter, with his instinct for news of all the quality and condition of his prod-kinds, from the interview with the public ucts. He is especially interested in the many is that they wast to take the floor and you have another bay to fill 19x 40 ft. There is no need of leaving over 13 sharp competition it is the man ft. for drive floor, and it don't take any upon. The political press was also criti- a serious character, both to butter-maker who attends carefully to details and extra help to fill this kind of a barn. The cised in its relations to public affairs and and the consumer. He said there were work who wins. Practical education basement has side walls 2 ft. thick and public men. The great danger from the about 14 million butter cows in the counch an education to-day? | both sides of alley running lengthwise of

basement. I will send you a diagram of A barn of this size will hold without crowding 125 sheep and 18 head of horses and cattle, or 250 sheep without horses and cattle. I used for floor in cattle lish branches can be best obtained. All the colleges in the State only graduated for horses in single stalls, dirt in double. I have shoot above alley for throwing down hay and straw, etc. Mr. Sober asks if a basement story will pay the outlay. By using a few more stones and a little more timber, you get a warm and comfortable place for stock, where they won't shiver in the coldest of weather. In my opinion he can't get the same room for so little and honor of their business. The paper cost in any other way. If Mr. Sober will take the trouble to come to Webster, I should be pleased to show him some good basement barns.

himself corroborate the statement that I have meal bin under stairs that can be filled from top. I wouldn't put basement in bank if I had one. GEO. W. MERRILL.

no part of the paper was more worthy of A Lenawee County Farmer who Don't Like earnest consideration than what was said Basements-His Idea of a Farm Barn.

It seems to me the basement men have Mr. Ball then offered the following had it their own way and everybody resolutions, which were unanimously seems to take it for granted it is the only way to build a barn: but my idea of a Resolved, That the thanks of this Club be tendered to the Congregational Socibarn (mind you, this is only my idea) is ety for their commodious and com.ortone that shall combine the most room; be able church for the sessions of its Insti-tute; also to School District No. 2 for the use of its school-house in aiding so many the most convenient for feeding stock and at the same time not cost a small fortune. in enjoying the physical comforts of the necessary dinner.

Resolved. That this Association is under Such a barn as Mr. Phelos describes cannot be built in this section for much less than \$1,500 or \$1,800. great obligations to those ladies and gen-

Now a basement is no place to keep sheep, as many good flock-masters of this section can testify; it is either too warm and poorly ventilated, or too cold and damp if left with doors open. What is wanted for sheep is plenty of light, and that might be truly said of all other kinds of stock. When I build a barn it will be able to them as their music has been pleasant and profitable to us. Resolved, That this Association recoga one story barn and something after this plan: Make your frame of as light timbers as possible, say 8x8 for posts and meeting and his interest in our work, and as long as he pursues his present course in advancing the agricultural and stock interests in this State, and publishes so beams and 6x8 for plates and purlines. Put up five bents 12, 14, or 16 feet apart with floor in the middle and bay on one side and bay and granary on the other. The width should be not less than 50 feet. Take 12 feet from the side for stable and reading so damaging to the young, we bledge him a hearty support as an earnest have a 6 foot alley between this and bays. This stable is intended for cattle or both cattle and horses, letting them face the barn floor with plenty of windows behind, also and successful institutes it has been our windows over drive doors; over this stable good luck to attend. The officers of the have matched floor and run your straw with shoots behind the cattle to throw down bedding. There is no harder work and succeeded most admirably. The down bedding. There is no harder work about doing chores than cutting down a fall, and if cared for in the future as well frozen straw stack and carrying it in for bedding.

Inst premium at all the future as well day and Friday, February 4th and 5th, next. Dr. W. H. Wiley, Chief Chemist of the Department of Agriculture, who superintended the diffusion experiments hospitality shown to visitors was of the most generous character, and they were unanimous in expressing their apprecia-

This barn is intended to stand east and tion of the way in which the people of rest with drive door in the north. Build Webster cared for the strangers within your sheep barn on west side of your ed his 120 acre farm, erected good buildbarnyard, and connected with and runing south from main barn, say 24 by 48,

skating rink. Build all on good wall 2 or 24 feet high.

and side up with 8-inch matched siding.

I would have 20 or 24 foot posts; you can have purlin posts run to ground and rest on stone, and being 18 feet apart they will not be in the way. Have all outside doors hung on hinges so they will shut tight. Such a barn will not cost more than half as much as a basement barn of class hay, straw and grain barn, sheep barn, cattle and horse stable (if root cel-

lar is wanted put it under the main floor), as well as a place for the children to skate if they want to. I have to keep my stock say I should thoroughly appreciate somein a very poor apology for a barn, and can thing better. ABNER WILSON. TECUMSER, January 18th.

Description of a Barn that Suits a Clinton County Farmer.

St. Johns, Mich., Jan. 18, 1886. To the Editor of the Michigan Farmer

I wish to reply to O. A. Sober in regard to barn building, through the columns of the FARMER.

I have a barn that is the same as he wants to build. It has a wall 41 feet high, with posts 20 feet. The sills are framed in post four feet from wall, and I think it a nice way to build. I have plenty of stone but like this way best. He can have as much light and ventilation as is wanted and it is not so cold and damp.

My barn is for sheep, hay and grain; is 36x60 feet, beams have a 12 inch swell.

Basement is 5 feet above the ground. He wanted to know if this kind of framing was permanent. I think it is if well braced. I think that 40 feet wide is the best. In regard to a hay fork I like the double harpoon fork with a double rope. The rope is cheaper than a track, and can be changed from one barn to the other or from one mow to the other in a few minutes. I should build a basement barn by all means. T. SHAVER.

SHIAWASSEE COUNTY NOTES.

look over some of the territory in Shia an action brought against them on acwassee County that had never been explorat which point we were met by Mr. W. stable cobble stones and water lime, plank D. Underwood and conveyed northward a always in good shape and well cared for. distance of about nine miles into the township of New Haven, which we find to be level and heavy timbered, and capable of producing very heavy crops of both grain and grass. There are but few if any portions of the State better adapted to raising good cattle than this.

We find that Mr. Underwood has a good farm of eighty acres that is well fenced, and on it he has erected a good barn and is laying plans for a house. A few years ago he purchased a Shorthorn bull from L. L. Brooks, of Novi, and has raised are more than maintaining their former some good grades that he thinks well of position, and there are some excellent as milkers and beef cattle. Not being specimens here at the present time. They content with grades alone he has bought the pure bred heifer Red Mary and the that ought to have had a prominent place bull calf Shiawassee Chief, both of which were bred by N. A. Clapp, Milford. Red Mary is a descendant of Miss Severs, a cow imported by J. C. Letton, Paris, Kentucky, from Leonard Severs of Yorkshire. England, in 1839. Shiawassee Chief descends from Stapleton Lass, a cow imported by the Ohio Importing Company in 1834.

We called cn Mr. A. C. Crickmore

who has an excellent farm of 160 acres

well improved, and has a large commodious barn. At the Whitfield sale in the loo cow does not seem quite as fleshy as fall of 1884 he purchased the pure-bred in the fall, but is plenty fat enough for

who has, within the last few years, clearings and is now taking considerable pride in stock. He has some good grade Short-

floor overhead, and one or two shoots in purchased from C. Hibbard & Son a roam center to throw down hay. Now on the Shorthorn cow, descended from the Henry west side of drive way build a tool house Clay importation, that is an excellent same width as sheep barn, with doors on milker and the mother of some good stock all sides and matched floor overhead to as well. Also from N. A. Clapp, Giftie store small tools, or if the boys are bound 7th, bred by James Moore, and to skate let them have this room for a descended from imported Stapleton Lass. This Giftie heifer, as well as Mr. Underwood's Red Mary, if properly handled, are capable of doing something for the own-

The roads being nearly impassable with a team, we started to make a tour of the neighborhood on foot. Calling on Mr. L. Stroup, we found him the same possessor of a fine farm that has the appearance of being well managed and giving the same capacity, and you will have a first owner abundant returns for the labor bestowed.

Calling on Mr. A. F. North, we found that on account of sore eyes he was oblig-

prising beginner on a farm, willing to furnish himself and family with such reading as is furnished in the FARMER

Mr. N. White has a good farm on which he is prospering, and well satisfied with the country except when the freezing and thawing weather makes such bad roads.

little over a balf a day.

ed by a representative of the FARMER, and five miles brought us to the Hibbard farm, consequently boarded the west bound train on the D. & M. R. R. for Corunna, In the morning we spent a little time in

Shorthorn bull 2nd Barmpton Hero, a de- breeding purposes. The old Strawberry scendant of the Cox importation of 1816. This bull is being well cared for, and we a little. There were here some good specthink will give good satisfaction. Mr. C. showed us a fine lot of calves sired by the Underwood bull, that will make good cattle. He said he had as fine a lot of yearlings but as he was offered \$30 each for them had sold them and bought in some of the "common" kind for half the money. This clearly shows the superiority of the grade Shorthorns over the native cattle but we do not think it was a of mutton sheep, Geo. T. Mason of Owoswise trade, for the grades would have in- so; C. S. Dickinson of West Haven, Albert creased in weight much faster than the natives will, and the value per pound F. G. Bailey of Vernon and many others would have increased as they increased in weight. Mr. C. has ventured in purebreds by purchasing the heifer calf Milford Lady, a descendant of imported Miss Severs, bred by N. A. Clapp, and a heifer calf Genissa Belle, a descendant of imported Victoria, bred by C. Kingsley, Milford. The calf Genissa Belle won first premium at Milford Union Fair last

We next called on Mr. E. W. Pearsall. with windows on all sides and matched horns, and within the last year has and southwest will be present.

ers in the show ring.

We next called on the Wing Brothers, who have a good farm of 140 acres. Here we saw a very fine specimen of a Small Yorkshire hog, a young boar bred by Mr. Harris of Fentonville. The Messrs. Wing contemplate selling and moving to Kansas on account of ill health of one of the brothers. We were shown a fine sample of Kansas corn that was greatly superior to that we usually buy from the west. We were told that none of the No. 1 corn from Kansas came here.

ed to be away from his farm a consider able share of the time doctoring, but wished the MICHIGAN FARMER for his family to read. We found Mr. John F. Jacobs an enter-

and Household.

The next day dawned upon us with brighter prospects. The sun shone forth from a clear sky and the air was cold and bracing. With a light heart we started out in company with Mr. Underwood for the city of Owosso. The hubs were high enough and the ruts deep enough to make a lasting record for any country. With a good team we were enabled to make the distance of twelve miles in a

At Owosso we met Mr. C. Hibbard, who was just returning from county court where he had been to assist the officers of the township in defending the town in count of a defective bridge. A ride of where we spent a very pleasant evening. looking over the stock here, which is The sheep were wintering in good condition, and notwithstanding the low prices have made good liberal returns the last year. The Shorthorns, although not quite as numerous as we had hoped they would be here by this time, are looking well and are a credit to the owners. The Knightly bull bought of H. H. Hinds, of Stanton, has improved much since we saw him last, and we think will make a large animal of good proportions, that will be a credit to both breeder and owner. The Berkshires were fattening some mature Berkshires in the parade at Owosso made with the Shorthorn beeves fed and sold for Christ-

mas by this firm. On our way to Corunna, in company with J. W. Hibbard, we called at Professor Cook's farm and had a look at his stock. Waterloo Duke, bought at the Mc-Pherson sale, was looking well and seems to be capable of doing much good yet. If the breeders and farmers of this portion of the State do not patronize him they will miss a rare opportunity. The Watercow is doing well but seems to show age imens of Shropshire sheep, from W. J. Garlock's flock of near Howell.

Arriving at Corunna, where the Mutual Insurance Company were holding their annual meeting, we met Mr. E. S. Burnett, the Shorthorn breeder, who is president of the Association. Also Mr. Amos Parmenter of Vernon, the Merino sheep breed er: Mr. F. E. Shelden of Owosso, a feeder Smith of Durand, Wm. Cowles of Durand whose names we do not remember at present. In all we had a jolly good time. We left on the afternoon train for home, after promising to return to this county again when the roads and weather were more favorable.

THE seventh annual meeting of the National Sugar Growers' Association will be held in the city of St. Louis, on Thursat Ottawa, Kansas, in September last, and who has since been to Europe, to examine the processes and the practices in use there, will be present. It is also expected that a large number of the leading cane growers from the en ire northwest -Toronto Globe.

ly half the time at the recent meeting of

the New York State Dairymen's Associ-

ation, and sentiment was perfectly united

in favor of wiping out and punishing

fraudulent sales. Every man favored

prosecutions of offenders against the law

touching legislation looking to prohibi-

tion of manufacture and sale under any

conditions. The Dairy Commissioner re

ported a hopeful progress and some 200

pending suits for violations of the law.

of bogus butter pretty much driven out

of the State, but does not indicate an

equal success in curtailing sales. Upon

the announcement that the war against

the current year-which the Commission-

er thought ought to have been \$120,000-

some of the members with a conservative

querying in undertones when, if ever, the

cease, or whether it is to be a growing in-

A good point was made by some of the

speakers in respect to the exception in the

law requiring bogus dairy products to be

that it more effectually cheats the con-

sumers. If bogus cheese is not quite so

loathsome as adulterated butter, the form

er, from being comparatively indigestible.

is more unwholesome and less useful

than the latter and consequently more

fraudulent. It is no excuse for makers

and dealers in skim cheese to say that

It is the consumers, not the dealers,

are as much entitled to protection in the

one case as in the other. The cheese

wing of the dairy interest is as much in-

jured by the fraudulent sale of skim

cheese always goes slow, and the poorer

it is the longer it lasts. Those who take

to buy at all, or make purchases so small

These views were so clearly enforced

and so evidently sound that no one ques-

correct the mischief. An energetic com-

make a vigorous effort for a repeal of the

clause of the law which exempts skim

cheese from the necessity of being brand-

fraternity to ask that the State protect

frauds in the transactions of competitors.

and at the same time ask that fraudulent

transactions of precisely the same nature

practised by a large class of dairymen be

allowed to continue. The makers of

honest full cream cheese ought to take

Agricultural Items.

AGRICULTURE can not be carried out by any

rigid rule. The soil of no two fields is pre-

cisely alike, or benefitted by the same treat-

AT a "corn show" at Rushville, Ind., last

Christmas, a premium was offered for the

heaviest 20 ears of corn. Twenty-four entries

were made, the weights ranging from 18 to

301, pounds, the average of the 24 entries

PROF. BEAL thinks it very questionable

whether alfalfa is as valuable in Michigan as

some of the clovers. It is worth trying on

deep sandy soils, but hardly worth an effort

on clay soil. It is slow to start, requiring two

years to get "down to business," and should

not be plowed up soon, but left for permanent

nold, in N. Y. Tribune.

head were killed by dogs.

given, took the prize.

consumption.

cubus, to continue indefinitely.

# Forse.

THE CLEVELAND BAY.

At a meeting called by Geo. E. Brown, Aurora, Ills., President of the Cleveland Bay Society of America at Chicago, Jan. 14th, the Society formed their constitution, by laws, and rules of registry; and now that grand old breed is placed on the same footing with other imported horses, and the promoters are to be congratulated on the success that has attended their favorites in every section where they have been introduced.

From the very first these horses have stood in high favor with all practical, unbiased horsemen, for it was plainly to be seen that they were to fill a place not already occupied-that of a happy medium between the trotter and the mammoth draft horse.

Michigan bids fair to be a very favorable field in which this breed may take a prominent position. So many farmers fully appreciate a finely matched farm team, which is heavy enough for all the ordinary work on the farm and still style and action fitting them for any road work; and besides a large portion of Michigan mares are particularly suited to mate with Cleveland Bay stallions, for it hes been proved that the best results are ob tained from the small Morgan and other gamey trotting bred mares.

If a few farmers in each township wil club together and buy one of these stal lions, place him in the hands of a competent groom, and breed their own mares and what outsiders would naturally come in, they would find they had made no only a safe and produble investmen but had done their State a lasting good This plan has been adopted in many parts of Illinois and I wa and works very successfully. The adventages of this plan are several: F rst, a stallion can be bough by a club of reliable farmers wholly or time at a cash price; they can have the use of a first-class stallion not only at nominal cost but for a series of years thus ensuring a uniform stock of horses, which they could not depend on if they relied on one owned by a private party and liable to be aild or moved away after the first year. The outside earnings would soon pay for the first cost of the horse. and they, the owners, would have their own service free.

Bores are already enquiring where they can find Cleveland Bays, knowing that in any vicinity where a stallion of that breed has been kept they are sure to pick up and match a lot of fine coach teams that will command ready sale at fancy prices.

Readers of the FARMER will do well to spend a few of their lessure days at this time of the year, in investigating and talking up Cleveland Bays, which are rightfully known as the "Royal Horses of Europe."

## A MICHIGAN BREEDING STABLE

In a recent issue of Dunton's Spirit of the Turf we find some notes upon the breeding stables of Messrs. Parknurst & Mott, River Bend Stock Farm, Augusta. Kalamazoo County. The writer, one of the regular correspondents of that paper,

"Although the number of stock is not as large as some other farms in Michigan, will compare favorably in point or head of the stud is the grand young stal-lion Frank Noble, a full brother of Jer ome Eddy 2:16]. Although never trained he shows extra due action, and as a sire his colts are natur. I-horn trotters. Frank Noble was fosled May 25, 1879, is 151 hands, and weighs 1050 lbs., is command ing in appearance, has a clean cut head very broad across the forehead, large bright eyes, small shapely ear full breast with strong sloping shoul ters, back short and strong, hind quarters in proportion to the alance; his legs are clean and without a single fault, with broad, hard bone, and have never been troubled with fever or stock me of his weanling colts show as fine trotting action, turned loose in lot as the writer has ever witnessed, over reaching with hind feet three feet, by a stual meas aremeat. Frank Noble is descined to become a famous sire of trotters, and his book should be easily filled at \$50 ome Eldy is helt at \$200 and another full Ira Burraws' question as to how many brother, Larry W. at \$100 the season. The next stall on in point of excellence is Corisco, b h, to det 1884, by Frank Noble; dam Mary Safford, by Combat (sire of Williams, record at three years 2:274); 2d dam Mary Mason (dam of Omar, four years old record 2:254), by Ericsson, by Mambrino C ief; 81 dam Crop (dam of Code 2:221, and Blanche Amory 2:26) y The breeding of this young horse ought to please the most fastidious, being gilt edge. Bi ckson, b h, fo sled May 18, 1893, by Egnert; dam Steel Grey by Blackword; 2d dam by Boo Dalak; 3d dam by Gray E sgle.

A list of the broot mares is also given, with their breeding, and they show a car ful selection of the best strains of trotting blood. There is als a list of the young things now on the farm, of which the correspondent speaks in the highest terms.

# Suggestions from a Practical Breeder

Mr. H. Pratt, one of the most successful breeders of light horses in Ireland, lays down the following rules for the breeding of hunters and saddle horses: 1. Determine exactly what it is you really require to produce, and having done so nev r lose sight of it. 2 Procure a young mother that has arrived at maturity and is healthy, roomy, well-shaped, round, large sized, with good te nper and good action, and remember the better bred the mare is that possesses these qualities the more valuable she will be. 3. Toe dam, as a general rule, has more direct influence on her offspring as regards health and size than the sire has. 4. The off spring bred from greatly dissimilar parents in e ther size or character should never be used for breeding purp ses; their offspring will certainly prove to be the parents should be as similar as pos- feed to an ox of ordinary size, Mr. Dun sible is a rule the neglect of which has can sad two bushels. led to more disappointment than almost | Dr. Gren-ide thought that better rethoroughbred sire that has got good ones pounds, as too great a quantity produces should be selected, and I do not believe a a laxative effect, and it is better to allow direct influence on the bones, heart, consequently the ability of these organs and the skinning completed. Next the

mare. 7. Breeding too early is quite incompatible with hardiness of constitution and lasting qualities. Hence I believe the mare should be at least four years old before she is put to the horse.

#### Horse Gossip.

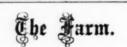
THE Door Prairie Live Stock Association have sold to J. B. Fenno, of Calais, Ill., the Cleveland Bay stallion Wellington, imported by them in August, 1885.

G. W. RANDALL, of St. Johns, Clinton Co., has sold his young trotting stallion by Louis Napoleon, dam Lady Byrns, by Byerly Abdallah, to Mr. R. J. Brooks, of Brimfield, Ill. Price, \$500. He is said to be a very promising

WINTERING THE STALLION .- The Farmers Advocate, Can., specifies the following winter food for the staltion: Oats, with a mixture of clean, early cut timothy and clover, should be the basis of the ration, but as all animals delight in a change of diet, other foods should be used to make a variety. Wheat bran is not material, but is the medicine for the bowelsalso the safest and cheapest. Corn and barley should also be given for a change, and when greater variety is desired, small quantities of wheat and oil cake may be given.

Ar the recent session of the Pacific Coas Board of Appeals, it suspended for one year J B Weller, George Bement and F. R. Burke judges of a race that took place at San Jose California, last fall, between Guy Wilkes Adair, Marion, and Nellie R. This action is so singular that it deserves special mention. Heretofore it was always a poor scamp of a driver, or perhaps an owner, who was fined or suspended, while the judges might be guilty of all kinds of fraud, without even a reprimand. This action is a move in the right direction and we hope to see a little of the same medicine kept on hand by the National Board. One o two doses will effect a wonderful improvemen or we are much mistaken. Wender how it would strike the gentlemen who presided over the race between Black Cloud and Jerome Eldy at Buffalo!

PERCHERON HORSES-FORTY YEARS' EX-PERIENCE -To a Tribune reporter, Mr. A. S Cha oberlain, who for forty years has been the proprietor of "Old Bull's Head Stables." New York City, said: ' I keep exchange and sale stables for horses, thousands of which annually come to my stables from all parts of the country. I don t deal on my own account to any extent. The French horses have good feet and stand the pavements better than the Clydesdales, and bring a better price on the market. The Clydesdales are short-ribbed lim-wasted and lack action. Comparatively few of them are now brought to this market. The demand is largely for French borses. I would advise the farmers and breeders, who market, to breed from French horses in preference to all others."-Chicago Tribune. Per cheron stallions of the finest quality and with choicest pedigrees, registered in the Percheron Stud Book of France, are annually imported in immense numbers by M. W. Dunham, 'Oaklawn Farm." Wayne, Ill. Within the past two years 1,000 have been imported and collected at this establishment.



# Roots in Canada.

At the Drayton Institute Mr. Jas. Duncan read a paper on root culture. His experience in root growing has been on breeding and individual qualities. At the he took a piece of run down land, and depth. This friable condition of any but after persistent working and manuring, so wed his turnip seed, which should be of the finest quality, a pout the 10th or 20th of June, putting in about two and one half poun is to the acre. He then applies land plaster, which brings the roots up to the time for boeing very rapidly and helps to drive off the flies. He then to as them out from ten to sixteen inches apart, and keeps them well noed. He keeps the weeds down with the scuffler, and recommends harvesting the roots by hand and pitting them. He would sow his mangolds a little earlier. He recommended the long red mangolds. Care must be taken of the mangolds in the winter. He found very little difficulty in growing carrots. In answer to Mr. umes he used the scuffler, Mr. Duncan said he would use it four times a season. taking care not to run into the drills. In preparing the land Mr. Duncan believed in keeping the surface soil as much to the top as possible. In answer to several questions by Prof. Brown, Mr. Duncan said that he had used gypsum in wet and cultivator is set to work leveling down dry weather with equally beneficial results. He had raised larger turnips when they were thinged from eight to ten inches apart, than when a space of six teen inches had been made. He considered it more positable to cultivate mangolds than turnips. He also thought it more profitable to put a field into roots than to summer fallow it.

M . M Kim said that the best place to grow turnips is in a piece of sod worked with less lab or. I am not prepared to say plow it in the fall and again in the yields, but desire to get further light on spring, and sow it with any kind of grain. At the same time he would put in winged shovel-plow will cover up and plenty of clover, cut it twice, and thus get rid of the thistles. The man, he said. wao un tertakes to grow a crop of roots and clean his land at the same time makes a great mistake. He would take out his turgips with the harrow.

Mr. Duncan differed with him on this point, believing that the harrow would damage the roots.

Prof. Brown said that mangolds were the roots that should be grown. They make the best food for the cow and don't as the cellar or the pitting was good, he did not think that any harm would result from harves ing turnips with the harrow.

question as to whether there is a food value in salt, Dr. Grenside said that although it did not enter into the chemical constitution of the plant, yet it had an important influence upon the process of nutrition, as it regulated the manner in which the sap of the plant was taken up by the cells, hence the value of stiffening the straw of barley, etc.

Notes of the Potato.

C. A. Green, in the Rural New Yorker,

says: The Early Ohio has given us good results as an early potato. White Star, Mammoth Pearl, Beauty of Hebron, and Dakota Red are favorites for later. All these and other varieties have rotted to such an extent as to render the crop scarcely worth digging, with the exception of the Dakota Red, which has proved almost entirely rot proof. We find that the Dakota Red has defied the rot in other sections of Western New York. One farmer had sixteen acres and secured a only a food rich in bone and muscle forming big yield. It is a large red potato, with eyes too deeply sunken, and quality medium, and it is a vigorous grower and a great yielder.

Last June we planted some hop roots that were left in the packing house, and in the row a few straggling potato vines appeared. The potatoes were not hoed and received no attention, we supposing them to be some chance seedlings of a worthless variety that happened to spring up. Late in the fall our foreman saw a large tuber protruding from the hill, which induced him to dig and see what the hill produced. He brought into the office a bushel basket nearly half full of monstrous specimens. I cannot remember when I have seen so many such large potatoes taken from a single hill. Consid ering the rot affecting other varieties, and considering the many valuable features of the Dakota Red, I consider it the most promising variety for our section for a late potato.

We find that a friable soil, not inclined to harden, is the most desirable for the potato. The soil should be deep, well drained, and in good heart. The best re- to sell skim cheese for full cream cheese, sults, in this section, are secured by applying manure freely on a clover sod early in the spring. The clover is permitted to grow up through the manure until about June first, then all is turned under deeply, and the soil pulverized in the most thorough manner; then a dressing of from three to five hundred pounds of phosphate per acre is applied. The ground is then marked three feet apart each way and the seed dropped. As much of the potato are breeding horses to sell on the New York as possible, and from one to two eyes are planted in each hill. We have practiced different methods of planting, and have succeeded by plowing furrows, dropping the seed, and covering with a plow, but where planted in hills as indicated above, we conclude that the hoe is the best implement for making the hill and for covering. We have found that too deep planting is disastrous, especially if the season proves wet. When planting late, the potatoes may be planted deeper than if planted earlier.

The object in planting late is that the potato comes up in a short time, and makes a rapid growth, and the soil, not being subjected to heavy storms, is not compact, and remains loose through the season with proper culture. The potato heavy land, such as is to be found in the cannot develop to its best state unless the vicinity of Drayton. For his field roots soil is loose and friable to a considerable sandy soil cannot be maintained except by late planting, and by the loosening furnished by the clover sod. On sandy soil such treatment may not be necessary. Our soil is clay mixed with sand, with a tendency to harden. We have applied Bradley's fertilizer in the hill at the rate of a large spoonful per hill on rich soil, and the results were satisfactory, providing the potatoes were not permitted to come in contact with the fertilizer. The potatoes were not affected by growing in close contact with the fertilizer, and yet, I do not consider this method of applying the fertilizer the best, as the roots of the potatoes soon get far beyond reach of it

when dropped in the hill. We hoe the potatoes as soon as they appear above the ground, and before the weeds have attained sufficient size to imede the hoe to any extent. At this stage few orushes of the hoe do the work completely. In less than a week after the notatoes have pushed up several inches, a shovel-plow will cover up any weeds that have appeared since. Soon after, the the ground. My theory has been that level culture is the best method, but having practiced it enthusiastically for several years, and having each year been | being 23% pounds. A white variety, name not beaten in yield by an Irish laborer upon our place, whose potato patch was adja cent to mine, my confidence in level culture is somewhat shaken. The Irishman's method of ridging with a shovelplow proved more disastrous to the weeds thoroughly. To clean land he would positively that hill-culture gives the best the subject. It is a fact that a broaddestroy more weeds at much less expense than any other method. Since I have ex. perimented with the shovel-plow, I have followed it immediately with the cultivator, loosening the ground to a considera ble depth. This I deem of vital importance, if not done too late in the season, so as to disturb the roots.

# Killing Sheep

A sheep inproves in flavor with age, and they are never too old as long flavor the milk as turnips do. So long as they are healthy and fat. In fact, they must be two years old or more before they make what is called "red mutton," that is, mutton which when cooked done has In answer to Dr. Grenside's question | red gravy. It is best before killing to let mongrels of nondescript character. That as to what quantity of roots he would the sheep remain twelve hours without food, having plenty of water. Then, everything being ready, cut the sheep's throat close to the jaw and head to the any other rule I know of. 5. A pure sults could be attained by feeding forty bone, inserting the knife into the spinal column of the neck to insure quick death. The hiad quar ers should then be skinreally good weight-carrying hun er will a certain quantity of water. The chief ned, as they are easily reached; a gamever be bred from anything but a thor- benefit from turnips is their stimulating monstice is then inserted into the sinews oughbred horse. 6. Tae stre has more effect upon the digestive organs, and at the hock when the sheep is suspended

tendons and nerves of the foal than the to assimilate food. In answer to the intestines should be quickly taken out, set here and there without order or paint or which prevents the wool taste so often mentioned by haters of mutton. This aste comes from an infusion of the excretions into the circulation after the vital to see what added convenience they could have powers no longer prevent it, as the sheep | so as to add another little one-horse building has the longest intestines of ruminants. In killing game, experts always take out the intestines at once for the same reason. The carcass of mutton may then be wrapped in the wooly side of the sheepskin without harm, as experiment will show. The sheep may be hung up at once by twine around the hocks and the gammon stick, and the same operation gone through but the first process is the best. lifting."

> Cheating with Butter and Cheese. The feeling in regard to imitation butter is so intense and bitter that the subject in one way and another occupied ful

HENS often learn to eat their eggs from as it now stands, but opinions differed eating the egg shells which are given to them with their food. They find it easy to crush the shells which are thus scattered in their way. If you have plenty of oyster and clam shells or ground bone, the amount of lime in the egg shells in That official considers the manufacture scarcely worth saving for your fowls.

C. W. Goff, of Reheboth, Mass., says he has noticed that those men who get the best results from incubators, are those oleo last year cost \$30,000, and \$50,000 who are interested either in their sale o manufacture. An incubator at \$75, and at least two artificial brooders at \$30 apiece, is a big investment of capital for and economic turn, while cheering the farmer who does not raise more than 200 Commissioner lustily, could not forbear chickens annually.

enemy would be annihilated and the tax THE cross-bred fowl is often larger than any of the breeds of fine bred stock. The prizes for dressed poultry in England have often been won by cross-bred birds. just as in the race of cattle mongrel steerfrequently carry away the prize for fatso branded as to show what they are. It test weights. Blood from pure varieties, was considered to be as much of a fraud however, was used in making the cross always.

WATCH your fowls closely, and ascertain if the falling of the feathers is not caused by feather-eating hens. When poultry are housed all winter, or not given suf ficient exercise, they often resort to feather eating. Give them a dust bath of fine wood ashes, in which they can wallow. and scatter their food through straw or everybody who deals in it knows whathe hay, so that they will be compelled to is handling. The oleo men can say as scratch before procuring it. Some green food such as cabbage, or a chopped onion would be beneficial, as also would a warm who get cheated in either case; and they meal every morning.

THE hens that lay eggs are young and healthy, and will lay in winter freely if well taken care of. In most flocks one cheese as the butter branch by the sale of fourth of the hens are non-producers. bogus butter. The consumption of poor With a little watching the bright, young likely to lay hens can be easily selected and the worthless ones marketed. Thus skim cheese thinking it full cream come the food is not wasted and the force of to suspect that all cheese is no better than egg layers is solidified, as it were, and pu what they have in hand and they cease into trim for active work. This is another of the secrets of winter egg laying-getand so seldom as greatly to curtail the ting the hens that lay ergs and discosing of those that not only do not but will not till next summer. It is easy to make the mistake of condemning hens that with tioned them, but no action was taken to proper care will begin to lay at once, but old hens, that is those over two years of mittee ought to have been appointed to age, whether fat or lean, and young, hal grown pullets, will not be likely to lay till spring. It will not pay to keep them unless they may be needed as setters. Aed as such. It is not only an injury, but winter egg lavers they are almost sure to an open disgrace to the whole dairying prove unprofitable. We apply this advice to all kinds of fowls, regardle-s of breeds them at a cost of \$50,000 a year against and what we might select as winter egg layers might not suit another. But whether Leghorns, Brahmas or Plymouth Rocks. or cress-bred fowls are kept, the hens that lay eggs will be found to be those that are in their prime and vigorously healthy.

action in this matter.-Prof. L. B. Ar Hale's Honey the great Cough cure, 25c., 50c. & \$1 Glenn's Sulphur Soap heals & beautifies, 25c. GermanCorn Remover kills Corns & Bunions Hill's Hair and Whisker Dye-Black and Brown, 50c. Pike's Toothache Drops cure in 1 Minute, 25c Оню bas 5,421,165 sheep; last year 28,146 Dean's Rheumatic Pills are a sure cure, 50c.

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Sole Proprietors. For descriptive circulars and price address.

OSCAR HOPKINS, Manager,

THE American Cultivator says: "Many persons are prevented from using petroleum on woodwork by fear that it will make the wood more inflammable. This is not the case. The oil enters the pores and so fills them that the wood is harder and less likely to ignite than before. Coal oil or crude petroleum. with something to give it body, makes a cheap

over the iron work of plows and cultivators to prevent them from rusting in the winter." An Indiana paper says the cause of cattle dying after being turned on the corn fields, is smut. He says: "The ears which have smut on them are generally left in the field, and not being wholly smutty, cattle will eat the ears, smut and all. Is it a wonder they die? N. doubt hogs die, too, caused by eating this smutty corn. It gives them cholera. Mouldy corn is also injurious. There is lots of it this season. Cows will eat it thinking it is corn. Many farmers feed it to stock to save it. The milch cows generally get it to produce mill-1 60 1 Smutty, or mouldy corn should be carefully put out of the way; burn it, is best. It is not even fit for manure. Those that cut up their corn

L. B. PIERCE says, in the Ohio Farmer: The multiplicity of little isolated buildings,

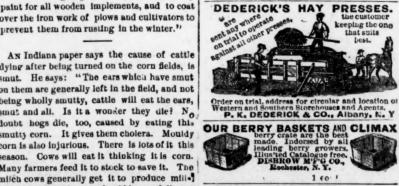
pretense of architecture, is one distressi feature of farm house surroundings, and seems as if some formers cudgeled their brains to the menagerie they already possess. They will build a large house, and then construc an isolated summer kitchen to which the whole family moves in the summer months; they will build an expensive barn for the storage of unthreshed grain and then build an extensive granary 10 or 20 rods off which entails the expense of an extra team and two hands at threshing time, to say nothing of the wear and tear of all the neighbors' bags and much hard

Scrofula, salt rheum, all humors, boils pimples, and diseases of the blood, general debility, dyspepsia. biliousness, sick headache kidney and liver complaints, catarrh and rheumatism, are cured by Hood's Sarsaparilla Take it now. 100 Doses One Dollar.

# Che Boultry Pard.

# Cannot be thrown from the track; runs at the touch of a dager while carrying the heaviest door; it is the strongest hanger made, and the only hanger in the world having a Lathe grooved Roller; fron track stronges in the market, and has the only perfect splice in use. THE MACK DOOR HANGER CO.

DELAWARE COUNTY CREAMERY Delaware County Creamery Co. BENTON HARBOR, MICH. 126eow10t



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NEW ADVERTISEMENTS

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Good for man or beast. It has a reputation unequalled among the most prominent stockmen in this country. Price, \$1.00. We guarantee these Remedies to give perfect satisfaction or money refunded. Send 2 cent stamp for our Practical Doctor Book, or \$1.00 for both. They are the prescriptions of the most noted veterinarians in this country. NATIONAL LIVE STOCK REMEDY CO., 40 Michigan St., CHICAGO

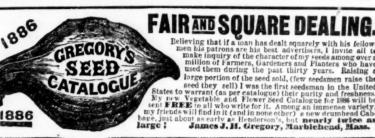
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can be adjusted to rai he power fast o sizw. The Feed Cutter is maded in a adjustable steelthroatling, which give our new cutting edges without extra cost. It has er a tached to our Power will grind from 10 to 11 out -1 pr hour with two horses. For reference 8 we dreet you to John F. Hagerman Romeo; Hon. 4. B. Maynard, Romeo; Eugene Smith, St. Clair; Hon. H. H. Hatch, Bay City; Hon. Wm. L. Weber, East Saginaw; G. N. Terrill, Lapeer; S. L. Hoxie, South Edmeston, N. Y. We also aske a power especially adapted to Grain Elevators and other stationery purposes, which will elevate five bushels per minute, fitty dve feet high, with one horse and medium clevation. For this purpose we refer you to Meller & Anneworth, Swartz Creek, H. F. Bush, Gainer, Oxford. Correspondonce solicited. For further particulars and illustrated circulars address as above. Mention this paper.

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VIRGINIA FARMS Mild Climate. Cheap homos Circular. A. O. BLISS, Centrulla, Va. d29-18

Chromo or 25 Hidden name Cauc, name on Northford, Sam, les & terms, 4c, Crow. Pro Co Northford, 2017cow13 MARYLAND FARMS. Bo k and Map Fram by C. E. SHANAGAN, Attorney, Easten, Md. Nutmeg muskmelons will rarely fail to

prove profitable. There is little danger

plowed under, and that they also be

manured in the hill. A two-thirds crop

of early potatoes may be grown on the

land with no detriment at all to the

melons. Lay off the rows so as to leave a

five-foot space for the melons, and then

have two rows of potatoes two and a

half feet apart. Furrow quite shallow

for the meions, so as to raise the hills a

few inches above the level, as they will

be warmer and less likely to pack by the

rains. If your land is clayey it will pay

to cover with sand, as but a small quanti-

ty will be needed and the seed will come

uo easier through sand than through

heavy clay. Nutmegs will bear much

eartier planting than watermelons, and

there is much less danger of their being

destroyed by bugs. Just as soon as they

plants with wheat bran, or gritty turn-

pike dust; use it freely, and pile a little of

it around the stems of the plants .- N. Y

Hot-Beds.

Mr. N. H. Reeves, of Hennepin Co.,

the local horticultural society at the first

"The first thing to be done is to select

a proper situation. It should be a south-

On the north, east and west sides it should

it would cause the manure to be too deep

in places, causing too much heat there,

and not enough in other places. Having

secured a place to build the bed, the next

sandy loam. To every three or four

wheelbarrows of soil add one of well rot-

ted manure, distributing it equally. This

should be piled near at hand, either under

a shed, or what is just as good, covered

with coarse manure deep enough to keep

it from freezing too hard. A 3x6 sash

will require four or five railroad barrows

full of soil, unless it is desired to raise

cumbers, when more will be required.

get the sash, which may be three feet

one inch thick, 12 inches wide and 14

frame their own thickness. The corners

should be fitted with a piece of 2x2 nail-

"The cheapest thing for protection

against frost are shutters made of split

boards the same size as the sash. With a

thing being ready, begin hauling and

piling fresh horse manure, which should

frame, put on the sash, and let it steam

will not require more than 18 inches of

manure, and as the season advances not

that much, unless such beds are to be

used for tomatoes, peppers and egg plants,

which of course require more heat. After

the first crop of lettuce and radishes has

been removed, the beds can be refilled

with lettuce from a seed-bed which has

been kept for that purpose. Always leave

out about four aills in the center of the

sash, which space can be filled with one

hill of cucumbers, either transplanted

from pots in another bed, or the seed

sown, the latter being safe but consider-

ably later. The beds should never be

allowed to become dry, nor should they

plants the more air will be necessary.

Sometimes in the spring the frost will

and nip the plants inside. If not too badly

shutters on until the air is above the

I have briefly outlined the way of

building hot-beds practiced by most gar-

W. W. FARNSWORTH, of the Ohio Horticul-

bushels of wood ashes per acre.

little care they will last for years. Every

ed solid.

meeting in the new year:

Formation and Management of

Tribune.

\$1.00? It never

ENT. most prominent nedies to give perfect octor Book, or \$1.0 his country.

St., CHICAGO EOWNERS

Heaves. tom a recipe of a noted lave see: thoroughly country. They are is, and are a safe and its from which heaves Fever, Loss of Ap-Mo, April 16, 1884 se of Heaves, I wor A. RANKIN.

DEALING.

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THE EUREKA



eriectly Reliable. Self-ulating. All Eggsturner

Climate. Cheap homes ern Colony. Send for L. Centrulla. Va.

k and Map Paus by

Horticultural,

GROWING A HEDGE.

Selection of Stock. Preparation of Ground and Management.

South Lyons, Jan. 14, 1886.

January 26, 16

To the Boitor of the Michigan Farmer. DEAR SIR:-Please advise me what makes the best stock proof hedge fence? I have had noth honey locust and osage orange recommended, but the parties were not disinterested. Please advise regarding management of hedge row, from preparation of ground till after it is stock proof, or refer me. W. H. B.

Had this correspondent asked simply for the best stock proof fence, we should and soft as that on a young tree. The have unhesitatingly replied, "four point, double-strand twisted, barbed wire, secured to good posts."

the labor and care of properly planting the trees as far as the limbs extend. and maintaining a good stock-proof hedge. Much depends on preparation of soil and selection of plant, for the locality. wide, must be deeply and thoroughly cultivated, for the season previous to plication of any kind of plant-food should planting. If the surface is flat and re- be done liberally. Good, rich decomposed tentive of moisture, the strip should be manure is the most certain in its effects ridged by back furrowing, before plant-

For the latitude of Oakland County we would advise strong, one year plants, uniform size, of honey locust. Prepare these, a few weeks before spring, by cutting back roots smoothly to six inches below the collar, and "heeling" them in moist sand, protected from frost, that the "cut" may "granulate," as they will then throw out new roots more readily when planted. The "granulation" must not be allowed to get dry before planting.

Early in spring, as the ground is in good working condition, harrow the strip thoroughly. Stretch cord for centre line of hedge and stick down pegs. With a large plow, throw out a deep furrow, each way, running the landside six inches each side of centre; thus leaving a strip one foot wide. Set plants one foot apart, against the bank left by the landside, these in one line opposite the spaces in the other, filling the trench or furrow half full and treading the soil firmly about the base of the roots, hoeing in afterwards.

Frequent after-cultivation, in fore-part of season, for three or four years, is essential; and not later than the first of September in each year, ridge up to the plants on each side, with a small plow, to insure drainage. The next spring cut back to within four inches of the ground, and each succeeding spring, prune vigorously in order to form a thick growth at the base, or failure is certain. If plants are growing fast in August, a second pruning at that time may be necessary to check the succulent growth and cause a better maturing of the wood before winter.

If any vacancies occur, replant, or weave in some of the lateral branches from each side.

I know of no remedy for preventing mice from injuring the plants, under larger frames and set them a foot apart. deep snow-drifts, which are sure to accumulate near a hedge, if anywhere, except clean cultivation and "ridging up," and this sometimes fails. E. M. POTTER.

The Farmer's Orchard.

Fruit culture has proved a paying the open ground. venture, even to persons who rented land for that purpose. Surely, then, the farmer, with the necessary elements, fertilizers and land at his disposal, ought to realize a fair profit from this pursuit. And yet it is a fact that many farmers, orchards do not pay. Let us examine

some of the causes of this failure. Ignorance stands at the head of the list. Fruit-growing is a business with intricate details. It is difficult to master these, and it is equally vain to hope for success without adequate knowledge as to expect to become rich in any other complicated business or profession without studious preparation. A study of books is not money and labor they find it pays. The alone sufficient; neither will close observation answer all our needs. The man bear more abundantly; there is but little who succeeds must gain information by loss from rotting; they can be planted experiment and hard work. After he much closer, and are much easier has sufficient knowledge to conduct his gathered. One gardener who raised business properly, and has established a several acres bought the refuse handles system that will govern all his work, then, and then alone, he can leave the less im- told me that by this plan he averaged one portant work to subordinates. But the bushel of fruit to a plant. For the late put in the seed. When complete, level time will never come when this acquired crop, seed can be sown in the open ground knowledge and skill is not needed, and in May, and transplanted to land which the important feature of his business can has produced some early crop. The never be left to other hands than his season may be prolonged some weeks by

themselves, and, if they do not thrive, beds and cold frames with glass over the loss is attributed to poor luck. The excuse so often offered by the unsuccessful, that trees will not grow now as they did for our grandfathers, has no truth in it. What man has done man can do, and, more than that, man does do. Our best fruit growers obtain results today bet'er than our grandfathers ever hoped for or dreamed of.

Over-confidence in their own ability is a fruitful source of failure with many novices, and this, too, springs from ignorance. Such persons have often much theoretical knowledge, but, having never tried the application of their theories, they practically know nothing to the purpose. We cannot have too much book knowledge, but this must be tempered and broadened by practical the growth of the plant and induces

application before it can be trusted. Parsimony in the use of fertilizers, as well as in the employment of labor, is apart, which gives nearly 2,200 hills to moved and the plants immediately another fruitful cause of failure. Many the acre. While a bushel to the plant is sprinkled with cold water. farmers begrudge the smallest amount of a possibility, one-fourth of this is easily manure to their fruit-trees, and yet will attainable, and this will give over 550 lavish it on crops that fail to pay the cost bushels to the acre. As tomatoes are deners, I believe. To give the manageof cultivation. The mere mention of very heavy to handle, I recommend that ment of different varieties of plants and top-dressing the orchard is sufficient to eight rows be planted, and then two rows vegetables in hot-beds would require induce an incredulous smile, if not a of an early variety of potatoes, which more space than could be given in one long argument on the extravagance of can be dug early enough, so as to use the paper and should be taken up separately. book-farmers, with more cash than sense. spaces for drives in gathering the And yet the dying and unproductive tomatoes. This may not seem a matter trees that have been left to neglect and of great importance to the novice, but fact a waste, and examples of such busy time.

orchards are seen in every county, while the orchards that pay are those upon which lab r and manure have been used of making the land too rich, and I recomwithout stint. Here, as in many another | mend that a heavy coat of manure be place, liberality is true economy. WORTHLESS ORCHARDS CAN BE RENO-

VATED. An important fact to know, since the great majority of farmers' orchards that have reached their "middle age," are in that condition. This is not a novel idea. nor is the work of bringing these ne elected trees into the fruitful condition of their youth an expensive or difficult one. If the branches are cut severely back, the old dead bark scraped off of trunk and branches, and this followed by a thorough washing with soft soap and sulphur, new bark will form as smooth soil needs restoring as well, and as the roots are presumably in the same condition as the branches, it will be wise to It is hardly possible, to over-estimate stir the surface of the ground beneath

This will not only have a tendency to start root action, but it will permit the fertilizing material when reduced to a A strip of ground, eight or ten feet liquid form to enter the surface more readily. Stimulating growth by the apat once. Ground bone and unleached wood ashes are indispensable, they cannot be surpassed for imparting health and vigor to flagging vegetation. Laugh as we will at the old-fashioned plan of whitewashing trees, the practice is one ern exposure or as near that as possible. to be recommended. Lime destroys insects in the earlier stages of life, restores be protected by tight board fence six or health and acts as an incentive to growth. | eight feet high, unless otherwise protect-

> WILL FRUIT CULTURE PAY? The answer rests with the man rather

than with the occupation. One who begins cautiously and determines to care for his trees properly, need have no fear of failure. Certainly every farmer ought to make his orchard and small fruit garden a profitable adjunct to his business, and an important agency in promoting the health and happiness of his family-Josiah Hoopes in Phil. Press.

Tomatoes and Melons for Market. Tomatoes will always be a profitable market garden crop, but like sweet corn, the greatest return will come from the earliest and latest, as in the height of the season the market is invariably glutted. For the early crop seed should be sown such things as rhubarb, asparagus or cu under glass in February. A very small sash will suffice to start a large number. Having the soil ready for next spring next as several hundred can be grown to the square foot large enough to prick out in wide and six feet long, or, as some prefer, the hotbed, but be sure to have the beds four feet wide and five feet long; that is into which to transplant them ready in simply a matter of choice. The lumber time, and transplant promptly, as when for the frames should be D stock boards large enough to begin to crowd each other, a very few days will cause them to feet long, which will allow four 3x6 sash spindle. In from three to four weeks to a frame. The top should be planed, alfrom sowing they will be ready to prick out, and may be set three inches apart each way. A bed four feet by ten will hold about 590 plants. They will need daily attention, and the glass should be removed on all warm days so as to harden them as much as possible, and when again beginning to crowd transplant into No manure-to produce heat-or glass will be required for these frames, but they should be banked up around the outside, and boards provided to cover allow a perfect termentation. If the maplants can stand in this bed until settled warm weather, and should blossom and

have fruit set on them before going to A few hours before transplanting water thoroughly, and as the previous transplantings have caused a mass of fibrous roots they can be taken up with a large ball of earth, so that they will not wilt and scarcely be checked in their growth. If handled wisely the plants may have ripe fruit by July 4, and it should be abundant before August. I am speaking for my own latitude, thirty miles north of Cincinnati, but as readers of the Tribune are in all latitudes they must bear this in mind. I find the best gardeners of my acquaintance tie the vines up to stakes, and although it costs gun to cool down. When a thermometer advantages are that they fruit earlier and from a plow factory for stakes. Another pulling up the vines before frost and Out of ignorance springs the prevailing hanging them in some light, airy outidea that trees and plants will take care of building, or by putting them in the hot-

them. Every truckgrower ought to save his own tomato seed, from early ripened specimens, and from plants which show only fair, smooth fruit. The plan of growing recommended above is suited to a market where high prices can be realized; when growing for the canning factories where the crop is contracted for at 25 cents per bushel, it will not do to incur so great expense. The plants may be grown without any transplanting, and need not be sown till April. Some very successful growers plant on quite thin land, using a shovelful of fine manure in the hill for each plant. This gives the plant a thrifty start, and when the roots reach the poor soil it checks fruitfulness on the same principle as root-pruning. Plant four feet by five freezing point, when the shutter is reGooseberries

The current worm is particularly partial to the leaves of the gooseberry, attacking them before it does those of the current, probably on account of their being much more tender. There are but few varieties that do not mildew before they are fully ripened. The fruit is oftener used green for canning and preserving than when ripe. The ripe fruit is of much better flavor, and by many is considered superior for all purposes.

The Houghton seldom mildews and is very productive; fruit rather below medium size, of a pale red color, of excellent flavor. American closely resembles the Houghton, the fruit being a darker red when fully ripe. Downing is an excellent variety, but is apt to mildew. The fruit is of medium size, of a light green color, distinctly ribbed with white. The Mountain Seedling has the largest fruit of any American variety, of a dark redshow above the ground, go over them dish brown; very productive; flavor exand loosen the hills a little, and dust the cellent. There are numerous foreign varieties, having very much larger fruit, but they mildew badly and are but little grown for market on that account. Thorough cultivation and trimming the bushes so as to admit light and air will in a measure prevent mildew .- Hortus, in Husbandman.

Mildew and Rot in the Grape.

Minn., read the following paper before Secretary Campbell, of the Ohio State Horticultural Society, read a paper on this subject before the winter meeting, in which he gave some interesting facts, translated from French reports, in reference to experiments with a new remedy for checking fungoid diseases in vine and fruit. This remedy is as follows: 17 lbs. ed. The ground should have sufficient blue vitriol dissolved in 22 gallons of drainage to carry off all surface water water, and the water used to slake 33 lbs. caused by melting snow or rain. It will of lime. The mixture is sprinkled on at not do to have the ground slope too the rate of 11 gallons for 1,600 vines. It much, as in building the beds nearly level forms a crust upon the leaves, and in every instance tried saved the vines from both mildew of leaves and rotting of the fruit. It is necessary to make the applica tion quite early, or just after the fruit is thing to do is to secure a supply of good formed.

Mr. Miller of Tuscarawas County said he had a bucket of copperas standing around in the way in the store, and he took it home and sprinkled it around upon the ground at different times during the period of rot. The fruit showed no rot. He had about 100 vines.

Matthew Crawford did not consider one experiment conclusive, as grapes sometimes escaped rot without any apparent cause. It was worthy of notice that the French remedy was sulphate of copper, while Mr. Miller used sulphate of iron. This would look as if either sulphur or sulphuric acid was what did the business.

Horticultural Notes.

THERE were 6,200 plates of pears at the late 'National Pear Conference," at London, Eng. lowing the sash to fit snug. For cross No prizes were offered. pieces use three-inch batten, let into the

> AT the annual meeting of the Illinois State Horticultural Society at Centralia, Mr. Julius Charpentier, of Basco, Ill., made an exhibition of European varieties of dessert apples, distinguished by smallness, delicacy of shape, exquisite coloring and superior flavor. The the display, reporting against it, the objection being want of size and foreign origin.

nure is frozen when piled heat can be started by pouring in hot water, and after it has a start it can easily be kept going their rings of eggs on the small shoots, usually should be removed or have her wings by forking the pile over. If it is desired within a foot or so of the ends. These are that the first bed be a seed bed, say about easily cut off with a pair of clipping shears set capped seven or eight days they are cut on a pole, and every nest of eggs which you 1st of February, it will be necessary to thus bring down and burn saves your trees use at least 25 inches of manure, spread ing it on the ground and extending it out One of these rings of eggs is about three fourths side of where the frame will come of an inch long and a third of an inch in diameabout 18 inches, treading it solid all the ter, and being larger than the shoot which while. When within five or six inches of holds it, it is easily seen after a little practice. the top put the frame on, raising back in winter or in early spring after the leaves part six inches. Then fill in the manure are off. Take a clear day, as the blue sky will and bank up the outside level with the not be so hard on the eyes as looking up at bright clouds."

The sash must be raised during the day DELAWARE has a fruit exchange which was to allow the rank steam to escape. Do organized and put in practical working last not put on the dirt until the bed has beyear for the first, having for its object the protection of fruit growers, the diffusing of sunk in the manure does not indicate 90 information, correction of abuses and settlement or 95 degrees it will be safe to begin fillof differences. It is calculated that the Exing in the dirt. Then allow it to dry a few change saved to peach growers alone \$100,000 days, having the sash raised if the weather last season. All fruit offered for sale must be will permit. When dry enough to work sorted into three grades; fancy, No. 1 and No. 2, and all that will not thus grade is rejected. freely, rake level, pulverizing all lumps The Exchange appoints inspectors to deterof soil and manure. If the seed is to be mine, at the shipping port, the character of sown in drills take a lath, press the edge the fruit. The headquarters of the Exchange in the soil, thus opening a furrow, and are at Wyoming. It seems as if such an Ex change might be an excellent thing in Michithe ridges, patting the ground gently. gan, where the fruit interests are growing After the seed has come up they must be rapidly, and where many abuses need to be removed into other beds, these being made later in the season. Hardy plants

THE Country Gentleman says: "We have often had occasion to observe the benefit derived from laving down the most commonly cultivated grape vines on the approach of winter, even if such sorts as are reputed hardy, in localities where they are not winter-killed The work has been easily done by holding them to their prostrate position with short sticks of wood, and without covering, and where they obtained some warmth from the earth and were out of the reach of severe winds. A vineyardist once informed us that if he had expended a week's work in laying down his vines, it would have saved him from a loss of \$1,200, but it was an unusual win-

A CORRESPONDENT of the N. Y. Tribune be kept too wet. One great point is to says: "One of our neighbors has the nicest give plenty of air, and the hardier the celery, even late in February. Keeps it in his cellar, he said. We can't save ours there, for it is yellow and soft in no time. So I went to penetrate through the sash and shutters see how he did it. He had a cubic yard dug right out of the bottom of his cellar, lined with frozen they may be saved by leaving the eavy boards, and a very heavy cover hinged to it so it shut tight, for his cellar freezes Here he keeps all the vegetables he chooses. wouldn't have a hole dug in our cellar, so I got a very large dry goods box and a small box to go inside and leave about six inches all around. This space I filled with dirt, and set out my celery in the small box (it holds about twenty bunches), then wet the outside space well. When it became real cold in our cellar I put a cover over to fit anug, and for three

put a cover over to fit snug, and for three years we have kept our celery beautifully."

We take pleasure in calling your attention to the seed advertisement of J. B. ROOT & CO., Rockford, Ill., which appears in this number. They are an old and reliable seed firm. It costs but a postal card to send for thei beautiful illustrated catalogue.

ESTABLISHED

Our stock is excellent and embraces all leading hardy varieties of Fruit and Ornamental trees, Shrubs, Smail Fruit Plants, etc., etc.
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Apiarian.

THE apicultural editor of the Indiana Farmer savs: "When it is a case of feed or starve the hive may be brought into a room and warmed up and fed sufficiently to carry them through until early spring. The room must of course be kept perfect ly dark. We have had colonies store three quarts of good syrup in 24 hours by putting in three feeders at one time."

MRS. THOMAS, of Philadelphia, report. ed at a meeting of the bee-keepers in Trenton last month that she had obtained an average of 150 pounds of honey from twenty colonies, or a total crop of 3,000 pounds. This was extracted honey, for which she received twenty five cents per pound, netting therefor \$37 50 per hive. She also cleared last year \$1,000 from her poultry yard, and runs a twenty-acre farm FRANK DOUGHERTY says, in the Indiana

Farmer: "Bees that are packed in cellars or winter repositories should be kept as quiet as possible at all times. When disturbed in any way bees fill themselves with honey, which has a tendency to create dysentery. Very great injury may be done by a few careless knocks against the hives. So long as the bees are perfectly quiet they should be left entirely to themselves, but should they become rest. less and uneasy they must be set out the first warm day to have a cleansing flight. And be sure the colonies each occupy the same stand from which they were removed when placed into winter quarters,"

THE case of Roxroth vs. Coon. decided by the Rhode Island Supreme Court, was a somewhat curious one. A person put an empty box for bees to hive in upon a tree on the land of another without per mission of the latter. The box remained there for more than two years, when a third person took the box down, took out a swarm of bees and replaced the box. The first person, after demanding a return of the bees, brought action against the taker for the value of the bees, honey and honey-comb. The court held that the action was not maintainable on the ground that in obtaining possession of animals of a wild nature no title is gained by one who when obtaining is a tres-

Ar the Collingwood, Canada, Farmers' Institute, Mr. Ash. Creelman read a paper on "Artificial Swarms," in which he said: "In the early spring, as soon as they can be handled after setting out, the colony that had done the best work, should be chosen to raise queens. All the unneces. sary frames should be removed and a division board put in, confining the colony to a small compass. Then all the bees which could be spared should be shaken down in front of the hive. The younger of these would enter the new hive and the older ones would go back. This has a warming impulse and the brought on a swarming impulse, and the bees at once commenced to construct a number of queen cells. In each of these the queen deposits an egg, which in three days becomes a grub. It is for the next udges did not seem to appreciate the value of six days fed a milky substance called royal jelly, when it is covered with a waxen cap and left nine days longer. The queen then eats her way out. A few THE Country Contleman advises an inquirer hours after the first queen cell is capped that winter is the best time to destroy the the old queen leads off all the bees that orchard caterpillars, saying: "They form will follow her. To prevent this she clipped. When the cells have been all off the comb and placed in the queen cage from one of the "big nests" you speak of. where they are allowed to hatch, and from thence they are taken when wanted."

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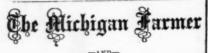
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STATE JOURNAL OF AGRICULTURE

DETROIT, TUESDAY, JANUARY 26, 1886

This Paper is entered at the Detroit Post office as second class matter.

## SPECIAL NOTICE.

The " Household " Supplement.

From and after this date the subscrip tion price of the Michigan Farmer will be \$1 50 per annum with "The Household," and \$1 25 without. When sending in your subscription state whether you wish "The Household" or not. If you are sending through an agent be particular to specify whether you wish it or not. You will find "The Household" richly worth four times its price-25c per year or less than half a cent a week.

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## WHEAT.

The receipts of wheat in this market the past week amounted to 54,189 bu., against 67,383 bu., the previous week and 100,191 bu. for corresponding week in 1885. Shipments for the week were 56,834 bu. against 64,323 the previous week, and 34,369 the corresponding week in 1885. The stocks of wheat now held in this city amount to 2,207,726 bu., against 2,247,093 last week and 819,893 bu, at the corresponding date in 1885. The visible supply of this grain on January 16 was 57,108,286 bu. against 57,958,176 the previous week, and 42,776,970 bu. at corresponding date in 1885. This shows a decrease from the amount reported the previous week of 849,890 bu. The export clearances for Europe for the week ending January 16 were 209,307 bu., against 393,423 the previous week, and for the last eight weeks they were 1.775.885 bu, against 8. 810,593 for the corresponding eight weeks In 1884-5.

The market has been marked the past week by increased activity, lighter receipts, and advancing prices. Up to Friday night the improvement was steady, but on Saturday there was a weaker feeling, and prices dropped back a little. about 10 on both spot and futures. The sales for the week in this market aggregated 2,436,000 bu, of spot and futures. against 1,877,000 the previous week. Yesterday this market was firm and buoyant at the opening over news of European complications, advanced 1#c above Saturday's last transactions, finally weakening, but closing quiet and steady at an advance of 1c over Saturday's figures. The Chicago market was active, with rapid fluctuations, advancing fully 2c, and finally closing 11c higher than on Saturday on both spot and futures. Toledo was very firm and 1c higher. The Liverpool market was quiet but steady.

The following table exhibits the daily closing prices of spot wheat from Dec. 28

	No. 1	No. 2	No.	No. 8
	white.	white,	red.	red.
Dec. 28	. 9014		91	81
** .9	9036		91	81
" 30	. 90		901/4	81
41 31	. 90%		9016	
Jan. 2	. 90		90%	804
4 4	. 89		89	
4 5	. 88		88%	80
4 6	. 8814		68%	804
4 7	. 8814		8816	
e4 B	. 8814		8834	
4 9	. 881/4			
" 11	. 8816		8814	*****
a 12			87%	80
44 13	. 87		87	80
44 14	. 89		8716	801
4 15	. 8914	****	8734	81
4 16		****	87%	814
44 18	. 881/4			871
· 19	. 88		8716	
4 20	. 8814	****	88	
" 21	. 88%	****	8836	
44 22	. 9014		90	
" 23	. 90		88%	
4 25	. 901/4	****	891/	
The followin	g state	ement	gives	the

closing figures on No. 1 white futures each day of the nast week for the various deals.

	Jan.	Feb.	March	May
Tuesday	88	8914	****	91
Wednesday	****			93
Thursday	88			93
Friday	9014	9014		94
Baturday		88%	****	93
Monday		901/8		95
For No. 2 red	the old	naina	arions o	n 41

various deals each day of the past week

Tuesday Wednesday	Jan. 87 87%	Feb. 87%	March 87% 89	May 90 913
Thursday	1016	884g 8984	89%	92
Saturday	5514	81	901/4	923
Monday		9.)	91%	943

past week was the shipment of wheat to Indianapolis and some Ohio points, the result of the failure of the crop in those two States. The millers in those States are accustomed to and prefer winter to spring wheats, and if their necessities compel them to seek our markets so early in the crop year it will surprise no one to see winter wheat selling at the advance over spring varieties usual before rollerprocess milling brought up the value of

A writer in a trade journal takes a very dark view of the future of wheat values. He says it has been discovered that wheat can be carried cheaper between Australia

upon what a basis this assumption rests, let us quote the latest figures given of the market yesterday were as follows: Australian crop, which is harvested dur- Creamery, fancy.... ing January. The crop in seven colonie was 31,763,096 bu. in 1882, 45,541,592 bu. in 1883, and 37,357,851 bu. in 1884. The United Kingdom imported from seven Australian colonies in 1885, 9,852,563 bu. wheat against 9,142,446 bu. in 1884, and 5,021,439 bu. in 1883. The seven Australian colonies in 1886 will perhaps have 4,000,000 to 6,000,000 bu. of wheat for export to Europe, from the crop now being harvested. But late reports say the South Australian whea crop is more and more disappointing, and the crop in Victoria, that was expected to give 150,000 tons export surplus, is reduced to 90,000 tons. It is therefore certain the entire exports from these colonies must be even below the early estimates. Think of three to five millions of bushels shutting out American wheat the

oming year! From the Black Sea, British India, the Danube, Prussia and Australia in 1885 there has been an increase on 1884 imports of 5,726,000 bushels. The decrease is principally from the United States. Atlantic and Pacific ports.

The foreign markets are becoming stronger, and while values are no higher there is a much firmer tone apparent.

The English markets are firm with an improved demand. At Liverpool yesterday the market was dull, with California club at 6s. 10d.@7s., white Michigan at 7s. 2d., red winter at 7s. 1d., and spring at 7s. 11d.

### CORN AND OATS.

CORN. The receipts of corn in this market the

past week amounted to 50,142 bu., against 25,145 bu. the previous week, and 80,804 bu. for the corresponding week in 1885. Shipments were 31,437 bu., against 64,-317 bu, the previous week, and 7,864 bu. for the same week last year. The visible supply in the country on January 16 amounted to 7,076,606 bu. against 9, 188,003 bu. the previous week, and 6,414, 149 bu. at the same date last year. The visible supply shows a decrease during the week of 2,111,397 bu. The exports for Europe the past week were 1,855,472 bu., against 1,150,042 bu. the previous week, and for the past eight weeks 9,718,923 bu., against 7,655,644 bu. for the corresponding period in 1884.5. The stocks now held in this city amount to 38,872 bu., against 34,119 bu. last week and 28,010 bu. at the corresponding date in 1884. Corn is more active and firmer, with prices tending upwards. Receipts have been highter, while the demand is increasing. Holders are firm, and values have been advanced on all grades. Quotations here are 391c for No. 2, new mixed at 37%c, and new high mixed at 37 c. The Chicago market was active and higher until Saturday, when a | the same price quoted one week ago. decline of 1@1c was established from Friday's prices. Quotations are higher than a week ago. Spot No. 2 is quoted then at 36%c, January at 36%c, February at 36%, and May at 40%c. The Toledo market is firm, with No. 2 spot at 40c, and May delivery at 411c. The Liverpool market yesterday was quoted quiet at 4s. 71d. for old mixed, 4s. 2d. for new do., and January, February and March deliveries dull at 4s. 2d.

OATS. The receipts of oats in this market the were 23 520 hu. against 11.031 bu. the previous week, and 10,689 bu. for the corresponding week in 1885. Shipments were 19,147 bu. against 6,033 bu. the previous week, and 4,006 bu. for the same week last year. The visible supply of this grain on January 16 was 2,292,193 bu., against 2,749,657 bu. the previous week, and 5,881,257 bu. January 17,1885. The exports for Europe the past week were 35,450 bu. and for the last eight weeks were 255,901 bu against 177,156 bu. for the corresponding weeks in 1884-5. The visible supply shows a decrease of 457.466 bu, during the week Stocks held in store here amount to 38,322 bu., against 53,021 bu. the previous week, and 15,839 bu. at the corresponding date in 1885. Oats are in better demand, with values firm and steady. No. 2 white are quoted at 34%c, and No. 2 mixed at 31c. At Chicago oats are quiet but higher, the advance being general on both spot and futures. Quotations there are 294@294c for No. 2 mixed spot, 29c for February delivery, and May at 317 @32c. The Toledo market is very quiet, with No. 2 mixea spot at 31c, and for May delivery at 33c. At New York the market has improved, and is steady at the following range: No. 2 white, 391@403; No. 3 do., 384c; No. 2 mixed, 37c; No. 3 do., 364c; seems favorable for a steady and well sus-

# DAIRY PRODUCTS.

BUTTER The market is not so good as a week

tained market.

ago, as under liberal receipts of fair table butter sellers have been compelled to shade figures to secure customers. Choice dairy is quoted at 15@16c, fair table but ter at 121@14c, and creamery at 24@28c per lb. Substitute manufacturers are ending out large amounts, which is a discouraging feature of the outlook. Not a pound of it is eaten as oleomargarine or butterine, the unwitting purchaser imagining that his particular grocer is too honest to bamboozle him with a lard or suet compound for genuine butter. Even at leading hotels in this city the guest is regaled on the article. The suspicion that outter altogether. At Chicago hotels, restaurants and groceries bogus butter is the rule and genuine butter the exception. The market there is dull except for choice creamery brands, which are in demand from substitute manufacturers to mix with their grease stock. Other grades are quiet. Quotations there are as follows: Fancy creamery, 30@33c; good to choice do., 26@29c; fancy dairy, 18@22c; fresh roll, 9@11c; packing stock, 6@ic. The New York market is firm and fairly active

	Crosmory, ramely,		6204	
8	Creamery, choice		@33	
_	Creamery, prime	28	@31	
1.	Creamery, good	25	@27	
_	Creamery, fair		@24	
e	Creamery, ordinary		@19	
n	June creamery, choice	17	@18	
- 1	June creamery, prime	10	@16	
l.	State half-firkin tubs and pails, fancy	24	@25	
Ĺ,	State half-firkin tubs and pails, choice.	55	@23	
,	State half-firkin tubs, etc., fair to good	18	@21	
n	State, half-firkin tubs, etc., ordinary	12	@17	
	State dairy, entire prime	20	@21	
	State dairy, entire, good to fine	18	@19	
f	State dairy firkins, choice		@19	
	State dairy firkins, good to fine	15	@18	
e	THE COMPANY OF COMP		-	
-	WESTERN STOCK.			
	Western imitation creamery, choice	23	@25	
t	Western do, good to prime	20	@55	
d	Western dairy, fine	17	@19	
a	Western dairy, good	12	218	
0	Western dairy, ordinary	9	@11	
- 1	Western factory, fresh, choice	17	@19	
-	Western factory, fair to good	11	@16	
_	Western factory, ordinary	6	@ 9	
-	Rolls, fine	13	@14	

The exports of butter from American ports for the week ending Jan. 16 were 397,217 lbs., against 144,120 lbs. the pre vious week, and 197,981 lbs. two weeks previous. The exports for the corresponding week in 1885 were 450,148 tha.

#### CHEESE.

There are no new features to note in values. Full cream Michigan cheese sells creams, at 101@111c, and skims at 41@ 51c. The Chicago market is fairly active, the shipping demand showing considerable improvement. Quotations there yesterday were as follows: Young America, full cream, 10% @11c; full cream cheddar, 91@10c; flats, two in a box, 101@101c; part skim flats, 51@6c, hard skimmed, 2@ 4c. The New York market shows some Good skims are in demand and are held ers. drm at an advance. Holders profess confidence in the future, and think the mar ket shows an inclination to advance from its present range on most grades. Quota-

L. L	· Danie
tions there yesterday were as fol	lows:
State factory, fancy, colored State factory, fancy, white	10%@ 9%@10
State factory, prime to choice	9400 946
State factory, good	840 9
State factory, fair	7% @ 8
State factory, ordinary	6 @ 7
State factory, night skims, selections. State factory, close skims	716 @ 8 5 @ 6
Ohio flat, fancy	@ 91/4
Ohio flat, prime	8 % @ 9 7 @ 8
Pennsylvania skims	2160 316

The receipts of cheese in the New York market the past week were 14,670 boxes against 20,308 boxes the previous week and 13,774 boxes the corresponding week in 1884. The exports from all American ports for the week ending January 16 foot up 1,838,329 lbs., against 2,748,771 lbs. the previous week, and 1,620,493 lbs. two weeks ago. The exports for the corresponding week last year were 2,077,411 lbs. Liverpool quotations for American cheese vesterday were 50s, per cwt.

## WOOL AT THE EAST.

The markets are generally steady and firm, with trade quiet. Values show little change and there is nothing new to report in the outlook. The London sales, which opened on Tuesday of last week, are be ing closely watched, and it is probably an inclination to wait and see how they will turn out that keeps many manufacturers out of the market. The sales at Boston the past week were 2,003,100 lbs. of domestic and 193,000 lbs. of foreign against 1.701.550 lbs. of domestic and 170,000 lbs. of foreign the previous week, and 2.017,015 lbs. of domestic and 66 000 lbs. of foreign for the corresponding week last year. The total sales of wool in Boston since Jan. 1, 1886, have been 7,361,650 lbs, against 7,442,596 lbs. for the same time last year. This is a decrease of 80,940 lbs. Quotations in that market are unchanged. We note sales of Ohio XX at 34@35c, No. 1 Ohio at 36@37c, Michigan X at 32c, with some holders asking 33c: No. 1 Michigan at 35@36c. delaine Michigan at 34@35c, and unmer chantable Michigan at 24c. Territory wools are firm and unchanged. Kansas wools are likely to be scarce, as it is officially reported that there are 800,000 less sheep in that territory than there were a year ago. The late severe storms are said to have caused large losses to the sheep-owners of Kansas and Texas. New York State X sold at 30c and Ohio fine delaine at 38@37c. A large number of sales are reported as on "private terms," a sure indication that they went above current quotations. This applies to Michigan, Ohio, Texas, California and Territory wools, as well as Australian. The only sale of Australian where the price was made public was at 35c, which western white, 41@434c. The outlook is fully 2c below the average price of good Australian. The Boston Commer cial Bulletin says of the market:

"The market continues very quiet, with no perceptible change from the position of last week. There has been a fair atinquiry for sample bags, which probably is significant of a good demand about the irst of February, when manufacturer will have taken sufficient orders to indicate the wool needed by them for the

manufacture of the new heavy weights.
"The advance in the price of the new goods ought to be at least 10 per cent largely to the low prices of foreign goods

"In view of these facts and the low prices at which the London sales opened the prospect seems to present a firm and perhaps slightly advancing market for wool, with a good fair demand until clip

The New York market is steady, with fair degree of activity. The sales for the past week comprise XX Ohio and above at 36c, X Ohio at 33c, No. I Ohio at 38c, such is the case induces many to forego Michigan X at 31½c, New York State at 30c, and California spring at 19@21c. The Economist is well pleased with the outlook, judging from the following paragraph:

> "The interior is entirely clear of wool Nothing can now come forward but pulled wool, and less of that than usual, as growers are not selling sheep as freely as usual. Mills are all well occupied, and every prospect pleasing in the woolen and wool line of trade."

Mr. James Lynch, the well known wool merchant, in his annual circular, issued to farmers with grade flocks, have made the year for fancy creamery, with other grades the past week, estimates the wool clip of a prosperous one for my flock."

and Liverpool than from Minnesota to weak and neglected. Even choice dairy of the United States for 1885 at eight New York; hence Australian wheat is is difficult of sale except at concessions, millions of pounds less than the previous taking the place of American. To show while the medium and lower grades are year. No wonder wool is looking up entirely neglected. Quotations in that when our population and requirements are increasing so rapidly.

> POTATOES are firm and higher from store, and sell at 50@60c per bu. accord ing to quality and condition. Car-loads are quiet, owing to the weather, but are firm at 45@50c per bu. The Chicago market at the end of the week was quieter, owing to large receipts. The inquiry was fair for local consumption: Burbanks, in car-lots, sold at 60@63c per bu.; early white rose, 50@54c; ordinary red do, 40@ 43c; beauty of Hebron, 50@58c; stocks from store, 65@75c. The New York market is quiet and unchanged. Scotch po are inferior to home grown.

THE monthly crop report issued by the ecretary of State the past week, gives the total number of bushels of wheat reported marketed in August, September, October, November, and December, at 9, 104,763 bu. or about 29 per cent of the crop of 1885. The number of bushels reported marketed in the same months of 1884 was 5,038,290, or 20 per cent of the tried in this State before and found enthe cheese market so far as this city is crop of 1884. In 1884 reports were receiv concerned. Prices are unchanged, and ed from about 40 per cent and in 1885 nothing in the outlook favors a change in from about 49 per cent of the elevators and mills in the southern four tiers of from second hands at 11@12c; Ohio full counties. Reports for December, 1885, were received from 99 more elevators and mills than for the same month in 1884.

CLOVER seed keeps firm, and is active at \$5 80 per bu. for prime spot, and \$5 60 for No. 2; February delivery at \$5 85, and March at \$5 95. The Chicago market is firm at \$5 85 for prime spot, with a good demand. The Toledo market is steady at improvement, and on all grades there is a \$5 80 for prime spot, and \$5 871c for firmer tone with a slight advance in values. March delivery. The outlook favors hold-

WE call attention to the advertisement of Clydesdales for sale by Mr. Chas. F. Moore, of St. Clair. Mr. Moore is going out of the horse business entirely, and will dispose of these animals at a bargain.

#### Farmers' Institute.

The fifth annual Farmers' Institute at Rochester, Oakland Co., will begin on Thursday morning, February 4, continuing with afternoon and evening sessions until Friday evening, February 5. The Institute will be under the auspices of the State Board of Agriculture, and the meetings will be held at the Palace Rink. The programme is as follows:

THURSDAY-10 A. M. Music—Double quartette.
Prayer—Rev. J. P. Fryer.
Opening address—J. M. Norton.
"Can Farming be Made Profitable on
the Average Farm?"—J. J. Snook,

"How Shall We Improve Our Common Cattle?'—Edwin Phelps, Esq., Pontiac. Essay—Mrs. L. E. Cannon, Washing-Lecture-"What Can be Done with the

AFTERNOON SESSION-1:30

Muck Swamps?"—Prof. R. C. Carpenter, Agricultural College. Music. EVENING SESSION-7 O'CLOCK.

Music. Paper-Hon. Wm. Ball, Hamburg Essay-"Practical Culture," Mrs. T. B

Lecture—"Nitrogen, the Fertilizing Element," Prof. R. C. Kedzie, Agricultural College. Music. FRIDAY, FEB. 5-10 A. M. rayer-Rev. Wm. G. Roberts

Paper-"Our Common Schools," J. Van Hoosen. Rochester.

Paper—"The Wilds of Michigan," orge H. Cannon, Washington. Music. AFTERNOON SESSION

Paper—"Oleomargarine and Butterine What Shall Farmers Do About It?" Charles Adams. Essay—Mrs. J. C. Wilson. Lecture-Dr. E. A. A. Grange, of the Agricultural College.

EVENING SESSION

Music.

Music Prayer-Rev. W. H. Mills. Paper-"Evolution in Farming," J. H. Closing Address-Pres. Edwin Willets, of the Agricultural College. Music

Discussions following each paper and lecture.

# Stock Notes

H. C. RICHARDSON, of Parma, Jackson Co. has sold to F. A. King, of Spring Arbor, same county, the Shorthorn bull Lord Barrington Jr., sired by Lord Barrington 2d 30115, dan Ella Gwynne by Vanguish Airdrie 34030.

MR. CHARLES FISHBECK of the Lakeside herd of Shorthorns, Howell, Livingston Co., reports the following recent sales of stock: reports the following recent sales of stock:

To W. W. Baker, of Spring Brook, Gratiot County, the red bull caif Cambria Duke 2d, sired by Baronet Belle Bates 47411, dam Cambria 13th, by 2d Duke Kirklevington 26376; Cambria 11th, by 23d Duke of Airdrie 19393. To same party, Rose of Lakeside 5th, roan, calved Feb. 5th, 1894, sired by Duke of Sharon 2d 51307; dam Rose of Lakeside 3d by Prince Royal 2d 36638, tracing to Imp. Victoria by Swiss Boy (12164). wiss Boy (12164).
To Almeron Holcomb, Madison, Livingston County, the red roan bull calf Baronet, sired by Baronet Belle Bates 47411; dam Florence of Lakeside by Sir Francis 18803, tracing to imp. Stapleton Lass, by Sailor (9592).

MR. D. P. DEWRY, of Grand Blanc, report the following as some of the most important sales made from his flock of Merinos, all of

Atwood blood:

To W. J. G. Dean, Hanever, yearling ram by John L. Hayes 439, dam Venus 2d (F. Martin 245) by Result 282; 2d dam, Venus by David 117; 3d dam, No. 114 C. R. J., by Bull Dog 114; 4th dam bred by E. Hammond, Vermont.

To E. Stone, Grand Blane, yearling ram by John L. Hayes 439, dam Venus as above.

To Will Sanford, Atlas, Genesee County, three years old ram Pat, sired by John L. Hayes; dam, No. 35 by Patrick Henry 173; 2d dam bred by N. A. Saxton, Vermont.

To Wm. Manchoir, Atlas, yearling ram by Reliable 285, dam No, 103 W. Ball, by General 215; dam bred by N. A. Saxton, Vermont.

To Peter Voorhies, Jr., Poutiac, four yearling ewes, Nos. 383, 284, 387 and 388, the choice of my crop of yearling ewes.

ing ewes, Nos. 383, 284, 387 and 388, the choice of my crop of yearling ewes.

To W. J. G. Dean, Hanover, yearling ewe 382, by Reliable; dam 42 J. H. E., by Spafford 166; 2d dam, 14 do, by Peerless 3d 164; 8d dam 9, by Dandy 163; 4th dam, 5, by Peerless 24; 5th dam bred by E. Hammond, Vermont.

To R. D. Stephens, Flint, two yearling ewes.

To Park Donaldson, Swartz Creek, eight yearling ewes, Nos. 393, 394, 395, 397, 398, 399 and 400, descendants out the dam's side from E. Hammond's flock, and sired by Whipporwill 793 and Pat. mentioned above. Also 386, dam (P. M. 254), by Result, &c.; sire, John L.

792 and Pat. mentioned above. Also 386, dam (P. M. 254), by Result, &c.; sire, John L. Mr. Dewey says: "These, with a few ram

REPLY TO MR. SOTHAM.

To the Editor of the Michigan Farmer In the last issue of the FARMER I notice an article from "Sotham," of Pontiac,

headed, "Keep the Door Open." I am glad, Mr. Editor, that your report of the Shorthorn Breeders Association amused friend "Sotham" for it is better to be amused than made sorrowful. The idea of shutting out foreign competition from the State Fair is no new idea, and is not confined to Shorthorn reeders, though our friend thinks resolution to that end "is too small to

emanate from the broad brain and big heart of a cattleman." What we are to understand by a "cattleman" must be left to conjecture. A large majority of the Extatoes are offering there at low prices, but ecutive Board of the State Agricultural Society endorsed such "too small "resolution, and have excluded from competition any or all stock outside of this State at its next annual fair. Not only because it was thought a good sanitary measure, so far as cattle are concerned, but because many of the Board have long believed that the State of Michigan could make a first class show in the stock department with out the aid of foreign stock. It has been tirely successful, and would undoubtedly have been followed up had it not been for other causes than those of failures, etc., and these gentlemen, so believing and voting, are by many believed to be an average of the genus homo. That it was not the only reason for ex-

cluding foreign stock, (I mean the fear of contagious diseases), is proved by the fact that there was no special danger to horses, sheep, swine and poultry. The statement that the reason was that "the herd from Ohio was in just a 'leetle' too fine rig for them," may do for Hereford literature, but will not lead sensible people to indorse it. We are left in the dark as to the meaning of the writer in mentioning the little Michigan steer." It is pleasant to observe how easily the writer would remove the obloquy of the "little Michigan as the panacea. That these men who think restriction necessary are the "old fogies" mentioned, and who, if they cannot "bring their stock in lean condition to the fairs," and "if they cannot successfully compete" make rules to "exactly fit their herds and exclude competition," is on a par with other statements made in the article, and only intended to get cheap advertising for his favorite breed of cattle. That the fear of competition from other States was the reason for many of the Executive Board of the State Society voting to exclude foreign cattle cannot be true, for of the fifteen who voted for the resolution only six are known as Short-

horn breeders. I hope our friend Sotham will have his herd of Herefords at the next State Fair and show the Shorthorn breeders what he is doing, or we may be led to conclude his herd is not in fix. There are many good suggestions in the article refered to which are worthy of being followed, but the patronizing expressions often indulged in and the high plane from which the Shorthorns are viewed, is not surprising to one who has read much of the Hereford literature of the last few years.

WILLIAM BALL. A VISIT AMONG THE STOCK-

MEN OF WESTERN NEW YORK GRAND BLANC, Jan. 18, 1886.

To the Editor of the Michigan Farmer. While on a very brief visit recently at Rush and Pavillion Center, N. Y., I met at the home of Peter Martin, of the former place, quite a number of prominent breed ers of both families of Merinos from that section, together with Lyman Clark and son, of Vermont, who were standing rams at the old farm where Wm. G. Markham and his courteous wife were staying The usual courtesies were extended to their newly elected secretary, J. Horatio Earll, of Skaneateles, who seemed fully as thoughtful of the responsibilities of the \$4,000 insurance. position, as pleased with the compliments bestowed. Our appetites were fully appeased with the bounteous dinner pre-

pared by Mrs. Martin and her daughter Various topics of interest to breeders were discussed, and then the sheep were examined and commented on by all. Suffice it to say that any who suppose the Martin Brothers have relaxed any of their former interest or pride in their flocks would do well to pay them a visit and get their information from first hands, instead of taking it from one so much interested as the writer in these flocks. The Barton rams were here, including "Vici," who has, in my judgment, left excellent marks of real value on his stock. His fleece is stronger. or a little coarser, than the most of this stock, and only a trifle finer than that of Old Torrent, who stood at the head of these flocks so long. A glance at Vici's pedigree will give the reader a key to his qualities, he tracing to Sanford's Comet nany times through both dam and sire. Missing the opportunity to meet Mr.

W. G. Markham at his old home, we ran up to Mr. E. Townsend's stock farm at Pavillion Center. Here we found the sheep (whose history is so familiar to your readers) looking well. The old stock ram General Jr. hale and hearty, while Harmony, the younger, a little thin from so much use in this flock of more than a hundred breeding ewes. Here we learned anew, and in a more forcible manner, the value of systematic feeding, practiced by young Ernest Townsend (correctly named). The lambs, of which forty-five were ewes, were being fed on timothy hay, the clover having been killed out from the meadow, making a very objectionable feed. They had only this, with bran and oats for grain; they were fed this hay in small quantities, three times per day, and were required to eat it allno oats had been removed from the racks this winter, and none allowed to accumulate. The lambs were looking fine and large, except a few very late ones from two year old ewes, which were kept by themselves, and even these were doing

But the most unaccountable facts are yet to relate. Mr. E. Townsend, the veteran sheep breeder, was having the black-and-white fever, having purchased stein Friesian breed, and since my return for \$55,000, the largest sale of real estate in lonia County. relapse, and bought three more heifers. No matter what subject was ventured on, we noticed he would soon produce the pedigree, and butter and milk record of some of these Royal Aaggies. It would be doing him great injustice did we not

reiterate a small fraction of his information. Seemingly satisfied with his inmates of the house. experience in buying Royal sheep pedigrees of the most prominent breeders, he has bought these cattle all of the importer, T. G. Yeomans & Sons, of Wallworth, N. Y., five coming two years old and one a year older. The bull was bred by T. G. Yeomans & Sons, and sired by their Prince of Wayne 5th, dam their imported cow Sibyl, whose butter record is 18 lbs. 31 oz. in a week. The dam of Prince of Wayne 5th has a record of 91 lbs. ½ oz. of butter in 30 days, and she claims the largest milk record of any living cow, 20,469 lbs. 9 oz. in one year. The heifers are in calf by Prince of Wayne 5th and Royal Aaggie, the service for each of these bulls being \$200.

Mr. T. G. Yeomans is the president of the Holstein-Friesian Association, and his herd is said to have the largest milk and butter record in the United States. Mr. Townsend said to us: "In starting my herd of Holstein-Friesians I believed it the best policy to buy of recognized breeders of good standing, as I have my flock of sheep, rather than to trace back to some one who has to be dragged out of obscurity, and make their standing and reputation out of doubtful material." Pardon this little digression. Mr.

Editor, but everywhere I met expressions of approbation of the MICHIGAN FARMER, as being the best agricultural and stock paper known to them; and I received many compliments for living in a State where so much interest was taken in im proving the stock and farms by so able a journal. At one point two prominent breeders took me for a representative of the FARMER, and I assure you it was a steer" by turning to the Hereford breed painful task to undeceive their minds, as they both proffered a year's subscription. Painful: as both the honor and the collateral were tempting.

D. P. DEWEY.

COMMENCING Monday, Jan. 25, the train on the Port Huron division of the Grand Trunk Railway which formerly left Detroit at 9 P. M., will leave at 10,45 P. M. arriving at Port Huron 1:10 A. M. and Toronto 8:10 A. M. A through sleeper will be run on this train from Detroit daily.

THE annual meeting of the Michigan State Veterinary Medical Association will be held in the parlors of the Cook House. Ann Arbor, on Tuesday, February 2nd, 1886. Business meeting at 1:30 P. M., reading and discussion of papers at 7:30

# NEWS SUMMARY.

Michigan

Monroe has a carp association Mrs. Duaine, of Hartland, is 102 years old. The State owns 240 acres of land in Laneer

Hudson's year's shipments of poultry amount to 442,337 pounds.

W. P. Wales, prominent citizen of Eator Rapids, died last week. James W. Parkbill, an old and esteemed

esident of Flint, died last week. James Metz, of Fowlerville, was killed at Howell last week by a falling tree. Mrs. Lucretia Barton, old resident and

The Pontiac roller rink has closed up. Over 5,000 bushels of beans were raised within a radius of seven miles of Charlotte. The cheese factory at Davison, recent to it.

be permanently located that city is just the place for it. Lansing thinks that if the State Fair is t Fire at Colon on the 20th destroyed five es, the loss reaching \$20,000, with but

Orin Thatcher, prominent citizen of Chelsea, died in California last week, whither he had gone in search of health.

The first installment of the Rogers' Art Collection, consisting of 55 large cases, has been received at Ann Arbor. Squire Fiesel, living near Fostoria, laid hi

head on the railroad track before an advancing tram and was instantly killed. The mosquito is to be "froze out" summer. A Fenton man has received an order for 30,000 window screens. The Michigan and Ohio Band Associatio

off with an active membership of 20 bands. Fire at Middleville, Barry County, last week destroyed Finch's flour mill, elevator and about 15,000 bushels of wheat. Incendiary. H. J. Rundell, of Oakland County, recently

as organized at Monroe last week, and starts

Dr. Miller, of Battle Creek, was offered \$100 for a Langehan pullet he exhibited at the noultry show there, but he preferred the

Mr. Henry Harrington, of Pert Huron, ha lost two horses within three months by eating smutty corn. Other horse owners should take

Sidney Bates, the 14 year old son of J. S. Bates, of Nuganee, attempted to board a noving train at that place on the 23d, was aught, and thrown under the wheels, being erribly mangled.

The new elevator at Sand Beach to replace the one burned in September, is finished. I the one burned in September, is finished. It will store 50,000 bushels of grain, and is covered with corrugated iron. C. P. Huntingdon, of Mason, has manufact tured the lumber on twenty acres of land into clothes-pins, and will need 200,000 feet of umber to last him till next fall.

The new school-house at St. Johns is com pleted. It cost nearly \$30,000, is but two stories high, and is said to be a model of educational convenience and beauty. The "Billy Burns" gang, which was a terror

o the Detroit police, has finally been broken p, McBrearty, the last of the desperados, eing sent up for ten years last week. Ressie Kaiser, of White Pigeon, was killed

by being run over by a train, on the 21st. She was standing on the track, watching another train pull out, when another backed down upon The inquest on the Knoch case closed last week. Nothing new bearing on the solution of the mystery was elicited, and the jury re-

turned a verdict of murder by unknown par An Adrian blacksmith claims to have set 173

horseshoes in a single day recently. He might have bettered his record but for the antics of Texas pony, that bothered him about half an George Granger, farmer, living near Ver-nontville, mistook "Rough on Rats" for condition powders, and fed the former to his

fine team. He found them both dead the next

three heifers and a yearling bull of Hol-sold his farm of 490 acres of land, buildings, stock, crops, etc., to W. Steele, of this city,

Mrs. Maggie Troutwaine, of Constantine, died on the 21st from strychnine poisoning; a case of suicide. The same day Mrs. Trudo, of Bay City, shot herself with suicidal intent, and

may not recover. Jim Carr, the notorious proprietor of the "Devil's Ranche," near Harrison, was last week sentenced to State prison for 15 years for the murder of Frankie Osborne, one of the

The total number of acres of land held by

The total number of acres of land neid by the State on September 30 was 792,850. Certain portions are reserved, however, which leaves 636,110 acres actually on band. The number of acres sold during the year was 55,466. John R. Moore, a wealthy farmer living near

Clifford, while insane, removed the top from a large stove in which a hot fire was burning, large stove in which a not life was outling, and jumped in head first. He was pulled out almost instantly, but was so frightfully burned that little hope is entertained of his recovery. Lareer Democrat: When the elephant

Lapeer Democrat. Which the colors broke loose in Cole's circus here last summer, Thomas Laughlin, of Metamora, received injuries which at that the time were not thought to be serious, but have developed so that now he is in very feeble health, and it is feared he Last year the State Agricultural Society gave the State Horticultural Society gave the State Horticultural Society \$1,4000 for expenses and \$1.000 for remiums. This year the board cut down the appropriation to \$1,300 for expenses, and \$800 for premiums, and the Horticultural Society is deliberating over the question of exhibit or no exhibit.

Frank Goodwin, living near Portland, was recently adjudged insane, and pending his removal to Kalamazoo, was confined in the Ionia jail. From his room there he escaped through the chimney, a distance of fifty feet, to the roof, where he was found by the turn-He would not come down though nearly en to death, and being armed with a rake, kept his would be rescuers at bay till a hole was cut through the roof and "moral sua-

sion" used to bring him down. Port Huron Times: A year ago A. L. Reed Port Huron Times: A year ago A. L. Reed and Henry McNutt, of this city, purchased 120 acre of land in Sanilac County. The land was not cleared and was in poor condition. They set men at work clearing the land during the winter and in the spring were able to plow it. During the season they raised 1,300 bushels of wheat, besides other grain, which, when sold, brought in money enough to pay for the labor and, clearing the land, and left them a neat little surplus. So well satisfied are they with e surplus. So well satisfied are they with heir investment that they have just purchased

nother eighty acres, and will clear it this The sensation at Yosilanti last week was the arrest of W. A. Pruce and Mrs. Lizzle Cole, who last October came to Y psilanti and bought a hundred acre farm. Mrs. Cole was the wife of Abraham Cole, of Mendon, N. Y., and had of Abraham Cole, of Mendon, N. Y., and had succeeded in getting her husband's fortune, amounting to about \$13,000, into her own hands. This accomplished, she eloped with Pruce, a laborer, employed on her husband's farm. The precious pair were arrested at Ann Arbor, whither they had gone to put the property out of their hands, fearing trouble. They were induced to deed the farm they had bought back to Cole, whose money bought it, but Mr. Cole, made no complaint, and they were discharged. were discharged.

were discharged.

The Jackson County House, six miles west of Jackson, was destroyed by fire early on Sunday morning, and five of the inmates burned to death. Their names were Mrs. Atkinson, of Grass Lake, aged 84; Catherine Avery, aged 77; Melissa Martin, of Spring Arbor; Zino Boynton, aged 92; and Charles Elliott, of Jackson, aged 75. The bodies of the victims could only be identified by their Elliott, of Jackson, aged 75. The bodies of the victims could only be identified by their location in the basement, whither they had fallen from their respective rooms. The County House contained 40 persons; nearly all who escaped were in their night clothing, and as the thermometer was about 10 degrees below, suffered intensely from the cold. The county had provided no protection from fire except a rubber hose, to be attached to the pump. The rubber hose, to be attached to the pump. The origin of the fire is supposed to be a defective flue. It is thought some of the inmates will die from the effects of the exposure.

## General.

Eighty persons died of measles in Quebec in Oliver & Co., prominent grain commission ouse at Milwaukee, failed last week.

Argentine, adjoining Kansas City, is to have tock yards and a large packing house. Six hundred board of trade men in New York have signed a petition against silve

The cavalry stables at Fort Custer, Mont. Business failures for last week number 329

in the United States and Canada, as against 332 the week previous. A detachment of United States troops will main permanently stationed at Salt Lake ity to protect the Gentiles.

A tunnel two miles long, running through the Cascade mountains, is to be built by the Northern Pacific. It will cost \$800,000. At West Leisenring, Pa., last week, striking Jungarian miners set fire to a lot of coal and oke cars belonging to the Baltimore & Ohio

The Chinese are reported to be starving in British Columbia. and little aid is given them, the people seeming to be willing they shall All the charitable institutions of Ottawa are

overtaxed to provide for unemployed work-ingmen, and the number to be provided for is creasing every day. A family at Merine Falls, Canada, held a wake over the body of one of their number who died with small pox. Fifteen cases of the

The boiler of Fairbanks & Daneweg's distillery at Terre Haute, Ind., exploded on the 21st, killing two men, fatally wounding two and injuring five others.

disease are the result.

A large proportion of the men employed in the Union Pacific shops at Omaha, Neb., numbering probably 300, were discharged last week, to cut down expenses. In the coke regions at Stonerville, Pa., 300 strikers drove the men from their work in the various mines in the vicinity, beating two persons terribly, and crushing in all the coke

Maxwell, the murderer of C. Arthur Preller confessed the crime, in an unguarded moment, to Dr. M. E. Chartier. He administered chloroform, but not with the intention of killing him.

The 26 victims of the Nanticoke disaster left 20 large families in very destitute circumstances. Relief is greatly desired for them by the Nanticoke relief and fund com-One of the severest storms ornia visited that State last week. It is said

that the damage was greatly lessened by the prediction of the signal service that the storm was coming. Mrs. A. T. Stewart, of New York, must pay Thos. H. String \$45,000 for injuries received by falling from an elevator on the Stewart farm at Garden City, L. I. It took three trials to

make her do it The "conscience fund" of the U. S. easury was increased last week by a donation of \$2,500, the contribution of a conscien ricken sinner, who had at some time robbed

The Montreal custom officers are after the smugglers in full chase. A jeweler named Deardon was found with \$20,000 worth of smuggled jewelry in his rooms, which the officers confiscated. A snow slide near Aspen, Col., demolished

the shaft and engine house of the Aspen mine, and killed one man. Another slide burled two teams with their drivers under fifteen feet of snow.

Chas. Vernon, of Dversburg. Tenn., heir to property valued at \$200,000, shot himself on the 20th, because his father decided he must leave the Kentucky military institute and go to a southern cottage. The wound will prove fatal. The steamer Crystal, from Dundee, loaded with jute, reached Castle Garden last week, having been on fire twelve days. The hatches were closed, and the fire thus confined as

closely as possible to prevent the entire destruction of the ship. A generous slice of a genuin

blizzard struck the northwestern states on the 22nd, and continued over the east. The mercury fell to -57 deg. at St. Vincent, -30 deg. at Ellendale, Dak. The storm is the worst ever reported wever, which leaves band. The number ar was 55,466. hy farmer living near

loved the top from a t fire was burning, He was pulled out to frightfully burned ned of his recovery. Vhen the elephant s bere last summer, amora, received in ne were not thought oped so that now and it is feared h

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nti last week was the ad Mrs L'zzie Cole, Ypsilanti and bought rs. Cole was the wife don, N. Y, and had r husband's fortune, 3,000, into her own ed, she eloped with d on her husband's were arrested at Ann d gone to but the gone to put the s, fearing trouble the far a they had money bought it, mplaint, and they

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States troops will ned at Salt Lake running through o be built by the ost \$800,000.

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to east. The vincent, -30 at Ellendale,

The secretary of war asks for an immediate The secretary of war asks for an immediate appropriation of \$1,000,000 for general improvements and \$50,000 for continuing the work of surveys. The commission stated all funds for work below Cairo were exhausted and that, if only for a matter of economy, work should be carried on without intermission.

At Springfield, O., a firm doing bu siness as Geo. Howard & Co., have managed to swindle firms in the eastern cities to the extent of nearly \$20,000. They claimed to be wholesale grocers, gave forged references, and thus secured shipments of goods which they disposed of at a sacridee and pocketed the proceeds.

A cigar-makers' strike is in progress in New York. Nine thousand workers in that city are locked out, and the prospect is that in a short time the number will be increased to 15,000. The direct cause of the trouble is the refusal of the employes of Levy Bros. to declare their strike against the new price list off, and return to work.

At Newburg, W. Va., an explosion of fire damp occurrd on the 21st, in the shaft of the Oriel company. A flame immediately shot from the shaft, high above the mouth, and the air was full of debris for a moment. There were 37 men in the mine, and it is feared all

Advices from Washington state that the members of the labor committee say they have memoers of the labor-commutee say they practically agreed upon a bill to create a bureau of agriculture and labor. It will take in the present department of agriculture and labor, and be a substitute for all other bills on the subject. The agricultural committee has agreed to the plan.

A broken rail threw a passenger train on the C., B. & Q. railroad from the track and down an 18 foot embankment near Albany, Mo., on 20th. Two persons were instantly killed e fatally hurt, and eight others wounded The engineer, though scalded and internally injured, ran his engine, which did not leave the track, into Albany to summon help.

Thomas Safford of Parkersbury, W. Va. Thomas Safford of Parkersbury, W. Va., had "made a night of it" with some boon companions, and returning home found his sister awaiting him. She asked him to get a hod of coal, and this he proceeded to do, but returned angry because a lock he had placed on the coal bin had been removed, and charged his sister with having removed it. She denied the charge, but he drew a revolver and shot her, inflicting a fatal wound. He then fied.

The States fair circuit was organized at Bend last week. It embraces the fairs, the dates of which are annexed State fair. August 30 to September 3: tate fair. September 6 to 11; Michigan e fair. September 13 to 18; Northern and Southern Michigan fair, September 20 to 25; Indiana State fair, September 27 to October 2; St. Louis fair, October to 9. B. M. Lockbardt, of Waterloo, Ind. was elected president of the association, and J. W. Fleming, of Columbus, O., secretary.

British troops at Mandelay last week captur ed Kunnah, and 36 guns. The British Medical and General Life Assurance Company, limited, with a capital of

surance Company, limited, with a £750,000, has suspended payment. The Porte has contracted with Herr Krupp, f Essen, for a large number of heavy guns

The tunnel under the Mersey River, England extending from Liverpool to Birkenhead, was formally opened by the Prince of Wales and his two sons, on the 20th.

Queen Victoria opened Parliament in pers on the 21st, Lord Salisbury reading her speech Her Majesty recommends local government for Ireland, England and Scotland.



Inquiries from subscribers falling under this head will be answered in this column if the replies are of general interest. Address communications со непту А. Haigh, Attorney, Buhl Block, Detroit

## Tax Titles

Law Editor of the Michigan Farmer. We have some property in Milford upon which, in 1879, the taxes on four of the lots were returned to the State, by the mistake of the town treasurer, and sold at auction. They were bought by a lawyer, a Mr. Foster, and he just exposed the hidden taxes this fall which he bought n 1879 for \$1.63; and now what is the legal rate of interest that he can collect of us, and can he collect compound interest? Answer this by letter of through the columns of the FARMER if you please. A. DIEBL & SONS.

Answer.-If the lots were returned by mistake, then the tax deed which Mr. Foster received from the State is void. The law provides no rate of interest that 60 Cleveland Bay Stallions 60 shall be paid in such a case; but it will be well to pay Mr. Foster, say \$5, for a quit claim deed, and so get your title straight-

NEW ADVERTISEMENTS

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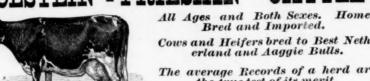
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# January 26, 1886. NEW ADVERTISEMENTS.

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JAMES D. ROTSFORD, Osceola, Centre, Livingston Co. Breeder of thoroughbred Shorthorns, registered and grade Merine Sheep. Stock for Sale. June3-1y

J. E. FISK & SON, Johnstown, Barry County, breeders of Shorthorn cattle, Registered American Merino sheep, and Poland-China swine, Plymouth Rock and Wyandotte fowls. Stock for sale. Correspondence invited. P. O. Bedford, Calhoun Co., Mich.

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JOHN JOY, Atlas, Genesee Co., breeder of thoroughbred Shorthorns of good families. Young stock for sale. jy15-1 OHN McKAY, Romeo, Macomb Co., breeder of Shorthorn cattle. Young bulls and heifers for sale. Correspondence solicited.

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Shorthorns Continued.

W. E. BOYDEN, proprietor Spring Brook Stock Farm, Delhi Mills, Washtenaw Co, breeder of Shorthorn Cattle and Merino Sheep, Young stock for sale. Correspondence solicited,

EVARTS SMITH, Ypsilanti, breeder of thos oughbred Merinos Sheep, registered in Vermor Registere. Rams and ewes for sale of my own bro-common ing, together with recent selections from some of the best flocks in Vt. Kramine before purchasing elsewhere W breeder of thoroughbred Shorthorn cathl thoroughbred and grade Jerseys and Berkshi swine. Stock for sale. Write for prices. f14-1 WM. WHITFIELD & SONS, Lakeside Stock Farm, Waterford, Oakland Co., breed-ers of thoroughbred recorded Shorthorn cattle and Hampshire sheep. Stock for sale. J E. ROGERS, Saline, Washtenaw Co., breed er of thoroughbred Vermont registered Mer no sheep. Stock for sale.

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er of Vermont and Michigan registered thory
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myll-1; J. GAGE, South Lyon, Mich., breeder of pure Jersey Red swine; also registered Merino sheep of Atwood blood. Stock for sale. o20-6m†

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# Poetry.

THE DISAPPOINTED.

There are songs enough for a hero, Who dwells on the heights of fame I sing for the disappoint d-

Por those who missed their aim. I sing with a fearful cadence For one who stands in the dark. And knows that his last, best arrow ounded back from the mark.

I sing for the breathless runner, The eager, anxious soul Who falls with his strength exhausted

Almost in sight of the goal. Por the hearts hat break in silence With a sorrow all unknown-For those who need companions, Yet walk their way alone.

There are songs enough for the lovers Who share love's tender pain; I sing for the one whose passion

Is given and in vain. Per those whose spirit-comrades I stug with a heart o'erflowing,

This minor strain to-day. And I know the solar system Must somewhere keep in space A prime for that spenterunne

Who barely lost the race. For the plan would be imperfect That paid for the toil and talent And love that are wasted here. - Ella Wheeler Wilcox

4. A NUN.

If you become a Nun, Dear A Priar I will be;

In any cell you run, Dear! Pray look behind for me! The roses all turn pale, too; The doves all take the veil, too;

The blind will see the show: What: You become a Nun? My Dear I'll not believe it. No! If you become a Nun, Dear

The b shop Love will be; The Cupids, every one, Dear!
Will chant "We trust in thee! The incense will go sighing; The candles go a-dying: The water turn to wine;

What! You go take the vows? My Dear Too may—but they'll be mine.

—Leigh Hunt.

# Miscellaneous.

#### THE GENERAL.

We were sitting over our walnuts and wine. The ladies had gone, and the doctor became more and more reticent. Either his heart was in the drawing-room. or he was sleepy or dreaming. His usual conversational powers had quite deserted

"Wake up, doctor," said mine host, fine old English gentleman, of portly presence, lord of the manor, J. P., D. L., chairman of the Board of Guardians, and what not. He shoved the decanter to the doctor's elbow as he spoke.

The doctor passed the wine untouched "I was thinking," he replied; and I thought I detected the glisten of half a

"You're not in the blues, doctor? On

Christmas Eve, too," put in Sir Robert,

"Not so bad as that, I hope," replied the doctor, smiling; "but seven years ago to-night a curious incident happened to me, and never has Christmas Eve come round since but I have got musing over it. The worst of it is, it's an unfinished story It's a mystery like the mystery of 'Edwin Drood,' or the 'Man in the Iron Mask,' or the ghost that appeared to Lord Lyttleton, and lacks the conclusion that shall unravel the whole."

"A story, a Christmas story!" we all ahouted, and Sir Robert the loudest of all "It's my first Christmas in England for

just thirty years," he added, apologetically, "and many's the time I've thought, if God spared my life, I would return to the old country, if it were only to gaze on anow clad hills and sit among friends at a Yuletide feast and hear a good Christmas varn. Outside, Jack Frost bids fair to nip his own fingers with cold: inside's a fire, a dinner, and good company; and

now here's a story-the thing's complete." "The story! the story!" we shouted in chorus.

"Fire away, doctor?" said Sir Robert the Indian hero, whose name had become a household word for splendid deeds in half a dozen campaigns.

"Well, I don't mind," said the doctor. "but remember, it's only half a tale. Don't scold me when I pull up shortthere's no finish to it." "We'll finish it for you," I said, laugh

"So we will," cried all. "At any rate,

we'll try to guess the sequel." Sir Robert had his back to the merrily cracking log fire; he was not yet seasoned to an English winter, so the warmest seat

a moment of hesitation, thus began: "As I said before, it was seven years ago to night. But if I am to begin at the

beginning, I must go back several weeks. early or late I cannot remember, I began to make a daily professional call in Barchester Square. Even then the glory of the square was fading; and now, after the lapse of only seven years, it has become the undisturbed possession of doctors lawyers, city men, et hoc genus.

"But seven years ago there were still s few drops of the creme de la creme of society to be found there, and I was attend ing an old blue-blooded marquis-and too full-blooded to boot-who twenty years before had had a narrow escape of finding a seat in the Cabinet. For twenty years he had sulked in consequence, and took five minutes over his menu. Then his confirmed habit of sulkiness had superinduced a secondary complaint, which required, or the old sulks thought it required, a daily visit.

"It was a new beat to me then, and as I had to see him about seven o'clock, and some book I have read,' I whispered to as he was too sulky ever to invite me to myself. dinner, although a yellow-legged footman

invariably began a tattoo on the gong just as I left the door, I found it necessary to seek my dinner somewhere else. Even a stranger. doctor must eat-well, sometimes."

"You didn't de badly to-night, doctor," I ventured to hint. "I've been trying to overtake a year's disturbed and broken meals," replied the doctor with a grim smile. "It's a long leeway to make up, I can tell you.

"Well, perhaps some of you will laugh at my ignorance, when I inform you that I had never heard of Guarini's in my life. and stumbled on that famous old restaurant by accident. I need not describe the place, for although it has long been left stranded by the rapid changes that are ever going on in London, and which make one locally popular to-day and deserted to-morrow, still it enjoys a certain favor from old gentlemen of conservative instincts, who, having discovered a comfortable berth, don't care to quit it.

"It still maintains its half-club character. Its dinners are expensive, but notably good-not recherche, but well cooked -and its wines are as ever, unimpeacha-

"Few young men are found there, and no ladies-I never saw a petticoat there all the time I used it-it's out of their beat, and sombre. But for elderly bachelors, widowers content with a first experience, and woman-haters in ordinary, who do not mind forking out the coin; there's no place to beat it in the me-

"Not a doubt of it," said a sallow-visaged guest, who had not yet spoken, but who had never ceased peeling walnuts since the doctor began.

A look of warm sympathy was interchanged between the doctor and the sallow-visaged guest; evidently both in their turn had made up a good deal of leeway at Guarini's; at any rate, memory was too strong for the doctor-he had to pause

"Night after night I turned in at Gale Street, and the oftener I went the more was I pleased with my quarters.

"One Saturday-it was the first Saturday I ever took advantage of its proximity to the residence of the blue-blooded and too full blooded marquis, for I gener ally steered straight home on that day-I had a further engagement, so I stepped into Gale Street.

"The room was not quite so full as on other days, but there was a fair sprinkling of gentlemen; some in evening dress, ready for the theatres, some in ordinary "Fritz, the German waiter, took my

coat and hat, and I opened my napkin at the little table I always appropriated. "'Ain't the General agoing it?' whis-

"'A whole pint,' replied Fritz, in an undertone. " 'Perhaps it's his birthday,' suggested

" Or the anniversary of a victory, sug gested Fritz, and he began humming German Volkslieder-a trick he had fallen into when not busy.

" 'The General,' I said to myself, as I spooned away at my soup. General? Which is he?'

"I looked slowly around the room, and at once pitched on him. No mistaking that military air. He sat straight in his chair, looking every inch the soldier.

"'The idol of his men, no doubt,' I "'Who is the General?' I asked of

John, as he cleared away preparatory to "'I don't know, sir: he comes every

Saturday-never misses. " ' No other day?'

" Never knew him to come any other day but Saturday since first he dined turned away to pick up his broom.

here, and that's five years ago; and he's never missed coming in all that time on a Saturday.' "' Way do you call him the General?" " 'I don't exactly know, sir; it's a name as was give him by a gentleman as sat at

this next table-more in fun than in earnest-a long while back, and we've called him the General ever since. It's the only name he goes by in this establishment. From the manager downward, he's not known by no other.'

" 'Do you mean to say that is all yo know of him at the end of five years?' I said in wonderment.

" 'That's all; except that he's an easy entleman to attend on, and allus has his sixpence when he's done. But he's awful particular about his dinner and his wine.

" A gourmand?' I asked in an under

" Never a smaller eater comes int this establishment, and almost a teetotaller; only drinks claret, and but a glass or two or that. But he'll have the best or

"Even John felt the figure was slightly too familiar for a man with se distinguished an air.

Somehow my eye was fascinated. couldn't help looking at the man who had dined at that table every Saturday for five was his. We instinctively hitched up our years, and had never once turned up be chairs nearer to the doctor, and he, after tween times, a man whose real name and title nobody knew, and who yet gave one the unmistakable impression of being

omebody out of the common ruck. "I found myself stealthily taking in all "In the month of October, whether his points. A tightly fitting frock coat, a pretty high stock-linen, so far as visible, spotless-no ring on the finger, but a delicate hand, a wide forehead, a slightly peaked nose, a clean-shaven face, except for a cropped moustache, and a somewhat weak chin-yes, the chin was the weak point of the face; over all an expres-

> sion of fine reserve. "The next Saturday I found mysel nconsciously awaiting the appearance of the General. He came in almost as soon as I had sat down. He walked to his seat with a fine and easy carriage, gave a kindly, condescending nod to the waiter, and he gave his orders. I could just catch the tone of his voice-it was well-balanced and deliberate.

> "' One who mixes in the "higher suckles" of society, as some one says in

urday nights what it was that impelled me to take such a profound interest in a

"But this was a curiosity of a different kind. It was a fascination. If he stirred his little finger I seemed to make a note of it; if he lifted his glass I mentally jotted the act down. The easy, wellbred way in which he played with his gold toothpick-that also I never failed to make a memorandum of.

" As for him, he seemed to observe nobody. If curiosity came under the pharmacopæia, the apothecary would have made nothing by him from year's end to year's end. If he looked round, it was in a leisurely fashion, and with such a purely universal air that it seemed to reprimand my own inquisitiveness. If anything, he had a slightly bored look.

"Five years, and nobody knows what never heard of such a thing before.

"'Does he ever bring a friend with im?' I once asked to John. " 'The General, do you mean?

" 'Yes.' " 'Never once to my knowledge, sir he never spoke to no one as I knows on in the room: and John went on sweeping up the crumbs at the next table.

" 'Which way does he come to dine? " 'Sharp from the left, on the other side of the Star Theatre,' said John, weari

'His curiosity had long expired. "' Which way does he go after he has

" Down by the Star Theatre, then sharp to the left,' said John, mechanical-'I've my own business to attend to,' he condescended to explain, with an air of superlative anxiety for the comfort of the habitues of Guarini's restaurant in general, and myself in particular. ' You mean he goes and comes exact

ly in the same way? 'That's it, sir,' said John, blandly. " You've a roundabout way of saying

it.' I replied, somewhat irritated, "But it was the paucity of the information that provoked me, not John's assumption of conscientiousness in the dis.

charge of duty. "One afternoon, I think it was a Monday, I was passing King George Parade at dark, just where the chief block in the traffic comes, when I saw by the gas jet in the centre of the cross-roads, a sight

that curdled my blood. "A tall gentleman with his wife, and young daughter as I suppose, were crossing the street amid a rush of wheels and stampede of horses, when the little girl took fright at a pair of bays in front, hes itated, and was instantly knocked over from behind. Her parents in front had pered John to Fritz, as he presented me not observed it. An omnibus, heavily freighted, was close upon her.

"As I have said, it was dark, and even if the driver had seen her, I think it must have been too late to pull up.

" I made a dart forward, but was anticipated by an old crossing sweeper, who seemed as agile as a cat, and nipped her up just in the nick of time. But he got a nasty knock on the head, which stunned him for a moment.

" Meanwhile the mother and father, as white faced as yonder snow, flew back to their child.

" 'Here's a sovereign, my brave fellow,' said the gentleman, with quivering lip; "it's all I have at the moment on me, but if you'll come to me to-morrowsaid to myself, 'and a Rupert in the here's my card-I'll prove to you what a father's gratitude is.

"The sweeper looked up, gave an unmistakable start, and withdrew his outstretched hand.

"Even in his muffled-up face I could ee a pallor that almost matched the lady's

"'I only did my duty, sir,' he said, and "Those two have met before,' I said

in an undertone. " 'You little know what doing your duty means to me and my wife,' cried the gentleman in the blankest astonishment. "A crowd was now gathered around.

" 'Well, I'll take your card, and mayb 'il call in the morning, sir.' "Not to speak of a muffler that went round his throat in many coils, he had a battered old overcoat on with the collar up; and a slouched cap, so there was real-

ly little chance for the gentleman to see what the face of the preserver of his child was like. "But it was evident to me, as an interested onlooker, that the dilapidatedlooking crossing-sweeper had particular

reasons for desiring to avoid his glance The next moment he had turned away and walked swiftly into the growing

"'No doubt he'll turn up,' said the gentleman, peering through the crowd into the darkness: 'but I wish I'd stuck to him. He seems a queer fellow. How ever, if he doesn't call, I can always find him here.'

darkness.

"Then he hailed a four-wheeler. They placed the little girl, whose clothes were draggled with mud, in it, stepped in after her, and then they, too, disappeared in the murky gloom.

"And now it was my turn to give start, for as the gentleman got into the cab, he half turned his head, and the gas lamp shone straight into it, and-"

"The General, of course," cried the sallow visaged guest, with the air of having made a discovery that only an extremely hard-headed man could have acmplished. "Not a doubt about it. The same

stern, yet relenting expression; the same square forehead; the same slightly peaked "All right, go on," interrupted mine

host. "If it's the same man, that's all we want to know."

" 'I should like to see the end of that, said to myself, as I went on my way. That's only one chapter in a story that has a touch of tragedy in it. Never saw a crossing-sweeper refuse a sovereign before, and yet his hand was ready enough to take it before he saw the General's face, What's more,' I said, and I said it aloud, slapping my knee as I walked, 'that crossing-sweeper doesn't intend to follow up the address on that card to-morrowno, nor next day, nor any other day this side of Christmas.

"I passed the parade as usual the suc-

ceeding afternoon on my way to Barchester Square. I looked in every direc-

"There was no crossing-sweeper; and I never saw him again in King George Parade. He had found another spot to carry on his, deadly-lively occupation, and London is a big place, and once lose a man's track and you're done for, so far as finding him again goes.

"'Another chapter ended in that story,' said I; and, though I sometimes thought of the incident as I passed the familiar spot, my interest waned, as it was bound to do.' "But didn't you see him again? That

would be too provoking," said Sir Robert. "I'm a great believer in the paltry proportions of this globe of ours, and I've seen nearly every quarter of it. But go he is. That was what stumped me. I head against fellows I never expected to see again.

"Besides, I believe in animal magnetism, or nutual attraction, or electric sympathy, or whatever you call it," said the sallow-visaged guest.

"And I believe in coincidences," said the master of the house. "Indeed, I shouldn't be surprised if the last chapter were completed to-night, and the mystery solved. Some one here may hold the mystic key. Who knows?"

when it had subsided, the doctor went on. brusque brevity, that added much to the effect of his narrative.

There was a hearty laugh at this, and

"I did meet him again," he said quiet-

"That's right," put in Sir Robert with satisfied air, as if the story had been made to order like a suit of clothes, and had threatened not to fit so well as it ought to have done.

"It was at Badminton Corner. I had a patient to meet in Farmington Row, and passing the Corner one afternoon several weeks later on, whom should I see sweep ing away, or pretending to sweep-for the weather was perfect-but my old acquaintance. I say acquaintance, but that s scarcely the right word, for I had never spoken to him, and I don't think he was aware of my existence.

" 'Hillo!' I said, pulling up short. " 'Right you are, sir,' he said, without

looking up-he was too busy for that. "' Weather dry.' I observed, casually. "'So am I,' he assented, his profession

al instinct scenting money instantly. "'That's the fellow,' I thought, as caught the sound of the old thick voice for I wasn't quite sure of his identity be fore, the night being dark and slightly

foggy. " 'Cold but freezing,' I added, to gain time.

" 'Don't suit me. There's too much ventilation in these 'ere garments 'o mine.' "And to be sure he looked a forlorn holes, hastily tagged together with string. In fact, he seemed to be hung together with strings. A penknife would have brought him to pieces in a jiffy.

" 'Why, you must be half frozen, remarked. "By way of reply, he was seized with hollow, hacking cough, that for professional accuracy in depth and tone, I have never heard exceeded by any crossing-

sweeper or street-singer throughout the metropolis. Carefully and judiciously along the curbstone. employed, that man's fortune was assured. " I gave him a cough mixture prescripon, written in pencil against a lamo post, and a shilling to buy it with. It was an acknowledgement of his ventriloquial

nowers. Maccabe was feeble in com "And did he try the physic?" asked the

curate, in a deeply sympathetic voice. The doctor looked at him for a moment "Sir, if you were not a teetotaller, I would ask you to allow me to drink your health. Your interrogation reflects credit

on your profession." " But to proceed with my story. I me him several times at Badminton Corner It always meant sixpence, so he learned to watch for my passing, about 6:30, and, catch the beat of his heart, was satisfied however dark it was, I knew he was aware of my coming.

"'What made you leave King George Parade?' I asked suddenly, one night. "You should have seen him start. His face was instantly bent to his work.

"'Didn't pay,' he said at last in a hollow voice, that bespoke the very last stage of phthisis. (The curate groaned.) " 'But surely there's more traffic there

argued.

"'Traffic ain't everything,' said the sweeper, still at his work. 'You see, there's more old ladies crossing 'ere; an, besides that, ther's the cheapest funeral establishment in London, over the way. You can tear your hair for two and elevenpence a yard in that there shop, when amazement. you'd have to pay three and five pence ha penny for every yard as you mourned nothing but your own mother-in-law any wheres else, an'-well, looking at it all around,' he added, confidentially, 'feelings is evoked at this corner as I never calkilated on. It's the best place as I ever lit on-lesstways, sometimes, he concluded, hastily, fearful lest he might have dashed my philanthropy by a recital of

the good points of Badminton Corner. " 'Did the General, that is, the gentle man, settle much on you, when you called the next morning, after that accident?' asked, with sudden promptness. If could take him off his guard I would.

"Again an amazing sptitude for business; and he began sweeping at an ac celerated pace. "' What're you talking about, now?' he cried, in an aggrieved voice.

General, and what accident?' "' Now don't try to humbug me. I saw you myself, save his little girl.' " 'Were you there?' he asked, like a

animal at bay.

" ' I was. "'Well, I don't know nowt about it-"'You won't tell me, you mean?" "' That's so.'

"'But didn't you go to next morning to his house? ". What're you interfering for? he ask 'What if I did? Why ed, gloomily.

shouldn't I? "'But you didn't go! Oh, I know you

was heading the way over the busy thoroughfare, for an old lady with a lapdog. I heard his backing cough across the street, and knew that he had trifled

with that old lady's sorrow for suffering astonishment. humanity to the extent of sixpence, at least. "'I shall never get anything out of

the attempt. It was just as well, for that was his last day at Badminton Corner. I

passed several nights in succession, but the crossing sweeper was not there. " 'Another chapter, and no nearer the

end,' I said. " Meanwhile, I saw the general weekly. As I stared at him the new difficulty that forced itself to my mind, was this-how was it, that he, a married man, a father, where I will, I'm always knocking my should dine alone every Saturday, in that retired restaurant? How was it, that in that condition of life, he had never omit ted his visit during the past five years? And how was it, that-

" 'Eh, John?" "' Yes, sir,' said that functionary, napkin on arm.

"' Did he ever bring a lady and a little girl with him? "' The General, you mean?' asked John,

brusquely. "He was heartily sick of the subject, and thought by this time that I had a slight softening of the brain. The fact is, He had told his story with a certain I had got to talk of nothing else. There, at this moment, sat the General, the picture of embodied bachelorship. There could be no mistake about that; if ever a man looked pleasantly resigned to singleblessedness, it was the General. Yet none could doubt, who had heard that single heart-felt word-'a father's gratitude'that not only a parent had spoken, but a man who lavished a thousand endearments glance of her eye, and whose one daily

> "'Yes; the General, of course,' I said, neevishly. "John was always reprimanding my inquisitiveness.

care itwas to make her life burdenless.

"'As I told you weeks ago, he's come just of himself for more than five years. Never a soul with him; nor never has he spoken to no one in this establishment excepting it be a waiter.' And John turned off to another table. I was evidently a nuisance.

"That was the Saturday before Christ mas. The following Monday was Christmas Eve. I had to make a call on Hanwell Street. A lady had sent for me. I case-and descended into the street. It was about ten o'clock, and pitchy dark. A yellow fog obscured everything. "I walked stealthily, almost feeling

ou passed beneath them-lights that shed spectacle on closer scrutiny; nothing but no light-lights that showed you where you were, yet where nothing else was. "I got to the corner of Borhampton Street, safely. Then I heard a sharp cry

of alarm, followed by a fall and a groan. I rushed on very recklessly, into the impenetrable gloom. stumbled on a man who was lying on the ous that had done the mischief was gone, but a four-wheeled cab was creeping

"Any fare inside?" I shouted, through the fog. "The cab stopped, and the driver des

cended. "'Help me to lift him in; my rooms are not three hundred yards away-No. 203 Crescent Road.

-not but what I'd willingly assist in a case like this.' "'Open the consulting-room door,

Mary,' I said to my servant, when she had answered my quick knock. "The lamp was lit-I laid him on the couch, tore off his muffler, unbuttoned his coat, opened his waistcoat, listened to

he was not dead-not yet, at least-then I looked at his face." The doctor paused. "It was the crossing sweeper!" said the

curate, impulsively. "Not so very far wrong," said the doctor, grimly. "The General, of course," said the sallow-visaged one, "out on some mischief.

I don't like those quiet, bacheler-looking men, with ladies in the background." "Both," said the doctor, quietly; and, for the first time, he handled the decanter and filled his glass. He poured it out

steadily, to give us time. "Both!" we all exclaimed in a chorus and we stared at one another in blank

"It is absolutely impossible that he could be both," observed the vicar, in a ly pretty face, a sweet, innocent expresconclusive kind of voice. "Why, in that case, the General thanked himself for pleadingly. rescuing his own daughter."

tip himself a sovereign," said Sir Robert. "And invited himself to meet himself at his own house at ten o'clock next morning," added our host with remorse-"In order to cast himself on his own

bosom, and sob out his gratitude, as he knelt at his own feet," demonstrated the sallow-visaged guest. "That won't do, Doctor; try it again." "Both," said the doctor, grimly.

"Then I give it up," said Sir Robert, decidedly. "I told you it was an unfinished tale,

said the doctor.

"Oh, but that's nonsense! There must be some more, yet," said the sallow-visaged guest. "You can't leave us landed in such a bog as that. It's not fair. In fact, it's discourteous. What say you, gentlemen?" "Quite uncalled for-distinctly im

proper," we all said in a breath. "Well, there is a little bit more, but we must come to the bog all the same," said the doctor. "I've been landed there seven years. One thing is certain, I was

sweeper's rags, strings and all." "Well, what next?' we all cried in "For a long time he was unconscious.

gazing on the General in the crossing

"In an instant he dived past me, and and I thought he would die without any explanation, but he came to at last."

We all gave a sigh of relief. "'How did you get into these clothes?"

I asked, forgetting my diagnosis in my "'How did I get here?' he asked, by way of reply, and even then professional instinct was too strong him. He coughed that fellow,' I said, and I gave up forever a cough that could not be beaten between

here and San Francisco.' "Then that cough mixture failed," broke in the curate.

There was a roar of laughter. "It did, I'm bound to confess. There was no appreciable improvement," admitted the doctor, with great candor. "'Am I going to die?" suddenly asked

the sweeper. "'We shall see,' I said, soothingly. "'You will, you mean,' he replied,

ooking straight into my face. And, from that moment, the mask was off. He droped the jargon of the street, and spoke as I had heard him speak at Guarini's. "'I fear that is a true correction,' I re. plied. 'Is there anything that I can do

"' Nothing,' he said, sadly. 'Yet, stay: do you know Baker's Paradise?' A slight his face.

" No.' I replied ""Do you know Seven Dials?" "'In a way, I do,' I answered, wonder

ingly. "'Ask for Wexford Street, and then Paradise; then go to the top attic door on the left. That is my room; you will find seven shillings and threepence half penny, in my box. The key of the room is in the breast-pocket of my coat. Give five shillings and my gold toothpick to John, the waiter at Guarini's Restaurant, in on his only child, who lived in the bright Gale Street-very assiduous and respect ful was John-and the change to Fritz.

always give them a trifle at Christmas.' " 'Is that all?' I asked, in astonishment taking note at the same time that i settled the General's identity. As a result Claud Rochester was sent for

". That is all,' and he laid his half

raised head down. "But what about the lady and little girl?" I eagerly inquired. "It was too late. He never spoke again

"Of course you went to Baker's Para

and in ten minutes he was dead."

lise?" said the curate. "I did. I nearly broke my neck in get ting up the rickety staircase. I opened the window. I never saw such a den in all my life. A bed, fairly clean, but no other saw her and prescribed for her-an easy furniture in the room. On the bed lay a complete set of clothes-military frockcoat, stock, clean collar, clean shirt, with studs in wristbands, and a pair of wellpolished boots at the foot. In the boxmy way; the gas jets were just rayless an old tin box-was another suit, more points of light, that came and went as threadbare than the other, and that was gold tootbpick, seven shillings and three-

shillings, and he really dropped a tear as I session. I mention the fact because it is and without a word to any one, was alground, crushed, and almost lifeless. The new to my experience. I have occasional ready off. ly seen a waiter drop his napkin; I have seen a waiter drop a tureen, and the man-

"He would lose his place. He waits till he gets home," said the curate, compas

sionately. "I saw him decently buried," continued the doctor, "and now, gentlemen, that's "'All right, sir-double fare to-night all. That's the bog, and I've been landed in it ever since. To stop up the last avenue of doubt, I may add-the General has never been seen at Guarini's from that day to this. The General is dead, and I

> visaged guest, at last. "Very," said the Vicar, in his decided "But what about the photograph"

saw him die."

asked one. "I have it in my pocket-book, and that is in my coat up stairs." "Was it his own likeness?" questioned Sir Robert.

day's journey,' 'Fetch it!" said the Vicar, very decisively. The doctor left the room, and, in an another minute, returned. We all instinctively rose, and crowded round him.

"No; a lady's-a young lady's, and as

fair a face as you could wish to see in a

The sallow visaged guest took it and held it to the light. "I don't know it," he said in a dissatu fied voice. We all had a turn at it. It was a strange-

sion, and the eyes seemed to stare at us

"Let me see it," said Sir Robert, put-"And was so generous as to want to ting on his spectacles. He surveyed it very deliberately. He put it immediately below the gas-light. "I know that face! he broke out, impetuously; "but it's a long time ago, and it was in India. Yes: it's Clara, I could swear to it anywhere. Strange," he added, solemnly.

> it get into this man's possession?" He still handled the photograph. "What's this?" he asked, quickly. There was some writing on the back o

eagerly.

"Do you know it?" asked the doctor,

"Most certainly. But how on earth did

the photograph. "'From C. M. to Claud R.' That's what it says," said the doctor. "But how can initials and a baptismal name help

mark, or question. "What's extraordinary?" we cried. "I think I can explain the mystery. Yes, I feel sure of it. Your General was Rochester-Claud Rochester, of the 95th Sussex, of that there cannot be a vestige of a doubt. And I can tell you a chapter of his history which may help to elucidate this otherwise most unaccountable story."

ed the sallow-visaged guest.

ingly, not noticing the doctor's final re-

"Any relation to Dick Rochester?" ask "His younger brother. The incident I

am about to relate, concerns them both About twenty-one years ago. Claud Rochester was the favorite officer in our company. He was about twenty-eight years old, and his good looks, his good fellowship, and his unfailing spirits, seemed to act like a healthy tonic on all with whom he came in contact. It was same months before the second Sikh war broke out. Just at this very time, Claud Rochester had fallen in love with a pretty girl, named Clara Mompesson, the only child of the Adjutant. She was quite young, and had only recently returned

from England. "There were but a handful of ladie with us, mostly married, and it may be for this reason that we all fell in love with he wavy brown hair, and the exquisite pink and white complexion of the Adju tant's daughter. One by one we received

our conge. Claud was the favored one. "Things went on smoothly enough till Dick Rochester turned up. We afterwards found that Dick had met Clara Mompesson in London, and, from what we could gather, Dick had surrendered at discretion, although he had only met her twice, and had not been formally introduced to her. Of course nothing had been flush took the place of the sickly pallor on said, and Dick was not even aware of the meditated return to India, till the wessel that bore her was well round the Cape. Then he followed Clara Mompesson to

India and to Multan. "I suppose he was terribly cut up when he found that only a few days before his for Thompson's Court, then for Baker's arrival, Miss Mompesson had become the betrothed of his brother. His first impulse was to fiv from the place. But unfortunately, Claud pressed him to remain, and he-well, he committed the fatal error of staying on. I must tell you that the two brothers were wonderfully alike. In the dark it was a common thing to mistake one for the other, but Dick, although the features and build of both were similar, was unquestionably the handsomer and better made man of the two.

"One day disquieting rumors came in.

and a sealed packet was put in his hand.

He was to post off to a place called Boggapur, and then deliver his trust to another messenger, who would convey it to the Resident's Commissioner at Lahore. Every minute he gained was of paramount importance-so they told him. "Claud left the room with the intenion of making instant preparations for his journey. Just as he was entering his quarters, a letter was placed in his hands. He opened it, glanced at it, and his face

became perfectly livid, as his servant

afterwards told us. Instead of entering

his quarters, he immediately dashed off to the Adjutant's, and asked for Clara. "Nobody knew exactly what transpired: but one thing was certain-Clara was broken hearted-she told him she distinctly shiny, and at the bottom lay a could not marry him, admitted that she loved his brother, and wound up by saypence half penny, all in copper, save two ing that Dick had left her forever. It was threepenny pieces. One thing more I true. Dick, though he had dallied when noticed-a photograph-but nothing else. he ought to have decamped, had, at the "I went straight to Guarini's. John's last moment, realized the state of affairs, heart quite melted at the sight of the five and, although unaware how far the girl's affections were entangled, he determined "Following the sound of a moan, I handed the gold toothpick into his pos- to prove his fealty to his brother Claud-

"Claud forgot every mortal thing in existence, but his desire for the girl's hap. ager drop on him immediately afterwards; piness. His own love was as nothing-I have often seen a waiter who dropped Within ten minutes he was off in pursuit his 'H's,' but I never saw a waiter who of his brother. He had got a six hours start, but in the end Claud overtook itim. and brought him back to Clara. It took

> three days. "'You've done it quickly, old boy, was the first greeting he received, as he made slowly for his quarters. "The Lieutenant stared. Then, in an instant, the whole thing flashed upon him

-the sealed packet! "I need hardly say there was a tremendous row. A court-martial was held; Claud vouchsafed no explanation, and "Very unsatisfactory," said the sallow was broken. There was nothing to do but to return to England, and no one ever heard of him again. His brother made every inquiry possible. It was no use. But that the General was Claud Rochester, I will stake my existence. This photograph, and your description, are

> George Parade, was the General's brother, and the lady was Clara Mompesson, now Rochester," suggested the sallowvisaged guest. "That also is clear," said our host.

"Then the gentleman whose little

daughter was knocked down at King

quite enough."

Gentlemen, I think the last chapter has been told." "The mystery is solved, no doubt," said the Vicar. "The only question that remains, is: Why did Claud Rochester play a double part? I can understand his sinking slowly into the mud, and becoming a crossing-sweeper, especially if he was the happy-go-lucky kind of fellow you have suggested rather than described; but why did he appear in a kind of transformation scene at Guarini's every Saturday night?"

"That presents no difficulty to me," said the doctor. "I could furnish you with a hundred instances of similar inconsistency that have come under my professional notice. It was a struggle against the relentless consequences of social bankruptcy; a terrible apprehension lest he might, in feeling and sentiment, sink to the degraded level of his outward surroundings; a last clutch at that position of a gentlem in which was his by right. That's what it was."

to pretence of that hacking cough would have to endure some revulsions of bitter feeling," said the Vicar. "I think I begin to understand it." "Still, he must have had a screw loose,

here," said the sallow-visaged guest, tapping his forehead. "Extraordinary," said Sir Robert, mus-"I don't see it." said the doctor. "You might call it eccentricity. It was a very harmless form of the malady, even then.

"Poor Claud," said Sir Robert; "80 that was his end! Either you or I must break it gently to Dick, when we go back to town, doctor." "I don't know him, and wasn't aware of his existence until to-night. You'd

better do it," said the doctor. "I will," replied Sir Robert.
"The story is finished, gentlemen," said
mine host. "Let us join the ladies."—

"Yes; a man of refined instincts driven

CAUSE FOR COMPLAINT.

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B. 1888

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him, and wasn't aware until to-night. You'd the doctor.

Sir Robert. ished, gentlemen," said

don't like Grandma at all," said Fred-"I don't like Grandma at all;" And he drew his face in a queer grimace, The tears were ready to fall, And he gave his kitten a loving hug. And disturbed her nap on a soft, warm rag.

Why, what has your Grandma done," I asked, "To istarb the little boy? Oh, what has she done, the cruel one To scatter the smiles of joy?" Through quivering lips the answer came, " She-called-my-kitty-a-horrid-name."

She did? are you sure?" And I kissed the tears Away from the eyelids wet. can scarce beli-ve that Gr ndma would grieve The feelings of their pet.

What did she say?" "Boo-hoo!" cried Fred, 'She called-my-kitty-a-'Quad-ru-ped.' -Harp r's Young People

#### Mark Twain in Virginia City.

Of the thousands who have flocked to Virginia City while it was at the floodtide of its prosperity, but a handful had made fortunes. "One of these, said Mr. Robert Fulford, "who has made both fame and fortune, is Mark Twain (Sam Clemens). I knew him well. He was a reporter on the Enterprise, while I was a young boy setting type on the same paper. He had a salary of \$30 a week. I saw him every day and read everything he wrote for the paper, but I never suspected there was anything funny about him beyond a little drollery in his manner of speech. I think he got most of his jokes from a fellow in the office we called Truthful James. His true name was Thompkins, and he wrote very fairly, but he was at his best when surrounded by a lot of friends. He had an inexhaustible supply of jokes and stories, and he told them all with inimitable humor. He was thoroughly original, and was a noted char acter in Virginia City. You will understand that there was a gentle sarcasm about the appellation Truthful James. But Thompkins, with all his good stories, never amounted to anything more than the good natured, good hearted joker of the Enterprise office, and he is to day un known to either fame or fortune, but there is Mark Twain, whose books are read by all mankind."

"Was Mark Twain well liked among his acquaintances?"

"No, he was rather unpopular. I did not like him then, and I do not like him now. I dislike him so much that I never read much that he writes, but I think I can tell the truth about him, and I am sure I am right when I say he retains as friends to day very few, if any, of those who knew him in Virginia City. To illustrate the truth of what I say I will tell you of an incident that occurred just about the time he left Virginia City to go down to San Francisco. There was a little town or camp just outside of Virginia City, and the two places were separated by a deep gulch, and the road that crossed this was the scene of many a midnight murder and robbery. Some of the boys laid a plot to give Sam Clemens a good scare before he left for San Francisco. The plan was to waylay him some night as he passed along this lonely road and take his watch, pistol and money away from him and return them a day or two later. The night came. He was coming home pretty late from the other side. The boys knew he had a pistol, and that it was a dangerous joke; but that was the

sort of practical jokes we all indulged in at that time. It would, of course, be necessary to get the drop on him, otherwise somebody would get hurt. The plan worked all right. They rushed out from behind a rock, with pistols cocked and year. Arriving at Algiers he tried to make leveled, and commanded him to throw up his hands, which he did very promptly. There was nothing else to do. Of course the hovs were masked. They took everything he had, including a very common old silver watch, and he seemed to be right glad to get away with his life. The next day he wrote a thrilling article for the Enterprise, giving a detailed account of the affair, abusing the supposed robbers with terrific vengeance. The secret was kept dark until he was going to leave on the stage coach for San Francisco. Just as Clemens was about to get on the stage, a committee of boys with very solemn countenances walked up to him. and with a very formal speech presented him a very neat looking case, which he supposed contained some pleasing memento by which his Virginia City friends wished to be remembered. You can imagine his surprise and the yell that went up from the crowd when he opened the case and found inside the watch, pistol, and small amount of money of which he had been robbed a few nights before.

# Practical Joke Played on a Party of

of Virginia City .- New York World.

The driver cracked his whip and the coach

went off with a whirl. It was the sort

of a practical joke that Clemens did not

appreciate, and it was the last he ever saw

Amateur Curiosity Hunters. Some few weeks ago a party of sports men left the city for the Indian reservation. Their collection of shot belts, pow der flasks and other flasks was singularly complete. The party included Mr. Taylor, Mr. Haskell and three or four other good shots. One day they were driving along a lonely stretch of prairie in the Cherokee nation's domain when they came upon four posts driven into the ground, topped by a woven mat, on which lay the body of a dead warrior.

His beaded moccasins, and embroidered leggings, the bow and quiver, were not to be resisted.

"See his leggings," said Mr. Taylor. "I do," returned Mr. Haskell, knocking the ninth commandment out of the ring. "Well?"

"All is fair in war," said Mr. Haskell. Mr. Taylor shinned up the pole while the others stood below and held the bag. The sportsmen helped themselves. Mr. Haskell got the leggings and the other trappings went to the rest of the party. They left that denuded Indian lying there in a state that would have made a well bred marble statue blush and came back to the city. They were rather proud of that adventure, and they told it to their friends-at least Mr. Taylor told how they had robbed a dead Cherokee Indian. Mr. Haskell told how they had robbed a

version to his friend who owns a telegraph operator. This friend manufactured the following telegram and had it delivered by a messenger boy:-

"CHEROKEE NATION. I. T.—Sacrilege discovered. Intense excitement. Indian died of smallpox. J. SMITH, Agent." Mr. Taylor rushed over to Mr. Haskell.

"Great heavens! What shall we do?" "Make our wills!" "Get vaccinated!"

There was comfort in this last idea. They were vaccinated, their families, their children and their wives' relatives were vaccinated. But they are not happy, they can't be happy. Perhaps now they will be. - Chicago Tribune.

#### A Lapse into Americanese.

Fashion feeds on ridicule. The more fun that is made of Anglo mania the more it rages. In no particular is there a sign of abatement. But I have just seen one maiden who relapsed briefly into Americanese, and it was positively refreshing. She was one of those hollow-backed clean-cut girls who wear tailor-made costumes so nearly that their forgiveness for disloyalty to Yankeedom is easy. She was walking on Fifth Avenue with a springy gait suggestive of turf under her feet instead of hard stones. She wanted an omnibus. A cold, distraught stare at the driver and a slight flinging upward of the hand, involving no motion above the wrist, brought the vehicle to a stop in a quite proper manner. Then she bade adieu to her companion, a dandy. "Good mawning," she said. "Had aw

daylightful saunter, aw assure youchawming, weally."

By this time she was stepping into the stage, and the chappie was conveying his hat from the back of his little head to the front of his narrow breast, for the fashonable bow. The driver reasoned that she ought to be inside. He slammed the door, sout it with a kick at the strap, and started his horses. But the belle was outside. The lurch of the stage upset her backward, and she chucked down on the pavement with awful violence.

"Drat the fool!" she exclaimed in most excellent American accent, "I'd like to slug the wooden head off him!"-New York Correspondent Utica Observer.

Sunset Cox and His New Book. On writing to his friends here our Minister at Constantinople, Hon. "Sunset" Cox, announces that he has begun an historical work on the early invasion of Europe by the Turks, which is to be the greatest effort of his life. He is on the best of terms with the Sultan, and the atter has promised him all the assistance which the imperial archives and libraries can furnish. At Constantinople American functionaries are always treated with great respect. This arises from no special admiration for Yankee grit and enterprise but because we are looked upon as Western heathens and barbarians. This sentiment is due to the sharp practice of old Major Mordecai M. Noah, who was a power in our local press and national politics hale a century ago. During our last war with Great Britain Major Noah was appointed Minister to Algiers, with which country we had been having trouble and were anxious to make satisfactory treaty. Un fortunately he was taken prisoner by a man?" British frigate while on his way to Algiers. and though treated with distinguished courtesy, was kept on shipboard during the whole cruise, which lasted nearly a mad he says it's a pretty way for a woman to a satisfactory treaty with the Dev. but that dignitary said he had entered into a solemn agreement with France and England not to sign as favorable a treaty with any other Christian Power. A happy idea struck the veteran newspaper man. He assured the Dev that the United States was not a Christian nation, and proved his position by showing that there was no recognition of the Christian or any other religion in the Constitution. The delighted Dey there upon not only signed the treaty but showered favors upon the American Ambassador on the understand ing that he represented a heathen nation. The same tradition was carried to Con stantinople, and is the source of the honors shown to our representatives. His nibs the Sultan looks upon "Sunset" Cox as a man and brother who is bound by no religious ties-all of which must be a source of horror to those good souls who insist that the Constitution of the country should be made a Sunday-school book .-Live Stock Record.

# A Remarkable Game.

One of the most novel games of poker on record was played by Mr. Lemuel Merriwether, now business manager of Effic Ellsler's company. A number of years ago, Mr. Merriwether, then quite a young fellow, was farming in Union County. One day toward the close of the winter season he received a visit from a neighbor and a game of poker was suggested. A young friend of Merriwether's who had a bed." half interest in the farm, which was rented, also joined the party. None of the young fellows had any money, so they decided to put up whatever they owned as collateral, set a price upon it, and play for it. Merriwether had a bull calf, 40 bust els of potatoes and some corn, his partner had an old sow, 20 bushels of turnips and four cords of firewood; the neighbor had a brood mare, some wheat, and a dozen sides of bacon. Whatever was portable of these effects was brought to Merriweth er's cabin before the game began. The brood mare and the bull calf were tied outside the door. The game lasted three days and three nights, and was one of the most exciting contests on record. Some one would bet a side of bacon on "two pair," and the man with "a bob-tail flush" raise him a cord of firewood, or bet a bull calf on "three aces" and have him called with a sow, by a man who and his vote. An amusing one, guaranteed to held a little "straight," A "jack-pot" was played, which perhaps has never been down there received the usual canvassing card equaled. One of the boys opened with a soliciting his vote and interest. After staring pair of aces for five bushels of turnips, another one "staid" on a pair of queens for half a cord of firewood. Merriwether glanced cautiously over his hand and

enough bacon to his stock to make it days." right and the other supplied his share of turnips and cord-wood. The first man drew three cards to his aces, the second one held up an ace and drew two cards, and Merriwether stood "pat." It was Merriwether's first say, and he said laconically: "I bet my stack," which consisted of a few fragments of cord-wood, a few bushels of turnips, and a third interest in the brood mare. The man who had opened the pot with a pair of aces did not bet ter his hand. He studied for fully five minutes and then whispered sharply: "I pass. The next one looked at Merriwether's passive face a moment, and said: "1 call it." He showed down his pair of queens, not having bettered in the draw, and Merriwether's pat hand fluttered down upon the table and there was not as good as a pair in it. He saw his compet

#### Commercial. Skating Ricks and the Lumber Trade.

for sweep in the last of his year's labor

on the farm, bacon, turnips, bull caif,

and all, and then quietly fell under the

table and slept like a child.-Louisville

The boxwood boom seems to have spent its force, and the market has dropped in the year from \$40 to \$17 a ton which is just \$3 below the low point it started from. This change comes from the loss of interest in skating rinks, and the consequent abandonment of roilerskate manufacture by some of the once largest concerns, notably one in Newark. N. J., that made in 1884 100,000, and one in New York that up to last July had a two-years' business of 350,000 skates. The dissolution of the skating rink syndicate, that for three years has built rinks all over the country, started them and Miss Birdie McGinnis to a young student of then sold them to local enthusiasts, has the University of Texas, who called on her not divided \$400 000 on it- last year's busi- long since. "Yes, indeed, I am kept busy. ness, and been the medium for the sale of It is not often that I have a leisure hour to over 3 000,000 ro ler skates. The decline myself." "What do you do when you have of this business is suggested by the fact that where Norfolk County, Mass., had fifteen rinks running last winter it now has but five. New York's number has and Philadelphia from thirteen to six, and those remaining are not liberally down to work, he presently exclaimed:

This abandonment of skating rinks has had some influence also over lumber, and when one of them remarked, dryly: is possibly to be in a large degree account able for the apathy in prices, and their decline of nearly thirty per cent. since December, 1884, while birch, which came into favor for rink floors in the summer of 1883, and jumped to \$55 a thousand for kiln dried choice stock, is back, like boxwood, to a lower point than whence it started .- American Cultivator.

#### VARIETIES.

To Do LIKE PA Does .- The other evening here were several visitors at Col. Gradson's house. The colonel takes great delight in showing off " his little son. "He is a fine little fellow," said Mrs. Graft-

ey, one of the visitors. "Come here, my little man." The boy approached her and permitted her

to lift him on her lap. "Why, you are heavy. How old are you?" "Six years, goin' on seven."

"Yes, and you'll soon be a man. What are you going to do when you become a "Do like pa does."

"How does he do?" "Oh, sometimes when he comes home a

But the colonel had seized the youth. CRUEL MAN!-It was on the plazza of a Tucson hotel. Three men sat there in the warm and drowsy afternoon. They had un covered their heads for comfort, and they were all bald. A little streak of sunlight gilded the skulls, and as the men sat there another came up and looked at them. Then

he slowly took out his revolver. A simultane-

ous movement took place on the part of the

three men, but the stranger waved his hand

for peace, and holding up his weapon asked the middle man:

"How much will you give me on it?" "What do you mean?" "How much will you give me on it?"

"Sir! Do you take this for a pawnbroker's "Well, I didn't know. I see the sign there -three balls," and every man put on his hat as he took in the situation.

IT is stated that the wine cup has occasion ally circulated among the legislators, and some have even achieved celebrity by this convivial disposition. Of one who has since achieved reputation as a lawyer the following story circulated among his legislative friends. He attended a ball one evering, and in the course of the festivities he became somewhat too jeyous. Seeing this, one of his friends

and thrust it into the han t of his friend. "But I don't want money," said the gentlenan, "I merely suggested that you go to

advised him to seek his room and bed. The

young lawver said nothing, but with great

solemnity took a dollar bill from his pocket

"Take it, take it," was the reply in the blandest of tones, "I've charged \$2 for a good deal poorer advice than that!"

pringing up stairs three steps at a jump. and dashing, with uplifted club, into the photographer's studio, "what are you fighting about up here? Are you all in this row? Grandpa and Uncle John, and Aunt Sarah and pa and ma and Cousin Bessie and young M., Thinlegs, her young man, and the two cousins from Polk County and Uncle Charley and grandma all looked kind of silly and were quiet, but the photographer said: "O, that's all right, officer, there's no row; we're just trying to keep the baby quite while we take ita picture, bless it " Exit policeman. Chorus: Ram, banz, smash, jingle, whistle, crash, slam, slam, toot te toote, bang, bang, smash! Pic ture is taken.

THERE is no end to the stories about Hodge be true, comes from Hampshire. A laborer at it for a quarter of an hour or so, he thus delivered himself: "Well, this be a piece of blooming cheek; they no sooner give a chap a vote than they want it back agin." Another gianced cautiously over his hand and didn't have a pair. He saw the bets aldead Caerokee chief and his wife, while ready made and raised them a bull calf to his wife: " Darned it I'll give it to any on the others had it that they had robbed an better. There was considerable excite- em; here, missus, out 'un away in the cup-

entire cemetery. Mr. Taylor told his ment at this move. The first man added board, maybe it'll come in handy some of these

"Two dozen black hen's eggs," said an old woman, addressing a grocer. "Black hen's eggs!" exclaimed he; "I

"Troth, then, I do," said the woman. "Then go and pick them out yourself," he eplied, pointing to a large basket of eggs.

The woman did so, and picked out two dozen f the largest eggs in the basket. "I CAN'T take that Canadian ten-cent piece, said a horse car conductor to a passenger

New York the other day. " Why not." "Bacause there's small-pox in Montreal

Some of you fellers never seem to read th papers." "You're safe enough," answered the passer ger. "Don't you see it's got a hole in it? That's where it's been vaccinated."

TRUST a woman's memory on all matters iress. The two met on their morning walk Why, good-morning, Cicely, dear. Isn't t lovely?" "Yes, indeed, it is Aunt Jane's Christmas present to me." 'O, I was speak ng of the weather and not of your 'nev sealskiu. That is one your Aunt Jane ha worn two winters. I saw her with a much onger one just now."

SPEAKING of the peculiar ideas which child en sometimes have, reminds me of the recent experience of a Sunday school superintendent He was speaking to nearly a hundred little girls and boys, and was teiling them about the Christmas customs in different lands. Finally he asked the question:

"Now, children, tell me whose birthday i celebrated at Christmas?" Instantly there was a chorus of "Santa

"I suppose you are kept very busy," said leisure?" "When I have leisure and don't know what to do to kill time, I call on some young lady."

THE other day Merryboy showed up with been reduced from twenty-three to eight, that indescribable look a fellow has when he's had a jolly time the night before. Settling "By Jove, my leg's asleep."

His fellow clerks looked up sympathizingly. " No wonder your leg's asleep in the day time-you keep it out so late nights."

"AH', good morning; nice morning," wa the salutation of a Hartford gentleman to his friend. ' How are all the folks?" "O, nicely. As well as could be expected."

"Wny, what is toe matter?" "O, nothing much. I've been boycotted, that's all."

"Boycotted?" "Yes. My third girl was born yesterday."

#### Chaff.

And now Chicago claims that pork is a brain too i, being a product of thousands of Wester

The authorities of Helena, M. T., know how to erect a Chinese wall. They charge \$600 for a laundry license. "Yes," said Fogg in the horse cai, "I'd get up and give my seat to one of those seats weren't so plaguey scarce."

Two boys quarreling: "My pa is a preacher in will go to Heaven." "Yes, an my pa is a loctor an' can kill your ole pa."

Very Sad: - "Aw, Algernos, sick" "Co'd." How dv' catch 'tr' "Lifted my hat raw than suddenly t' one o' the girls, y know." If there is anything below the clouds tha will make an angel red around the eyes it is to see a near-sighted backelor thread a needle

Converted German at class meeting:

" Beans Regarded as Food," is the heading

in an exchange. That is the way beans should be regarded. Any one who would regard beans as a beverage would be away off.

The Talk of the day: Mrs. A -" I hear tha

the Montmackingtons are going to spend the winter in Paris." Mrs. B—"Indeed? You surprise me! When were they bitten?"

New York is talking about establishing

"home for weary women." It is just like the impudent assurance of New York to think it

can successfully set up opposition to Heaven

"What are the natural products of Ken

tucky?" asked the teacher. "Tobacker, yelled Tommy. "What else?" "Wulskey! yelled Tommy. "What else?" "Kurnels!"

Lady—"Why, how do you do, Master Eugene? You didn't forget me, did you. 'Master Eugene—"Oh, no; 'cause my sisters told me to be sure and call on you, for you'd not have

Young man from the country at a fashio

able city hotel: Young Man—My room is in the sixth stry. I cannot climb away up there. (Lerk—Take an elevator. Young Man—No, thank you. I don't drink.

School Teacher:-" Define the word exca

vate." Scholar—"It means to hollow out." Teacher—"Construct a sentence in which the word is properly used." Scholar—"The baby excavates when it gets hurt."

Just when the English dandy is learning the

American formula of "Give me a hoist with my overcoat, bub," the New York dude is practicing the discarded Englishism of "Give me a lift of me topcoat, me deah felleh."

The scholarly people give a philosophical reason for speaking of stramboats, fire engines, etc., as she. The Lowel Citizen says the firengine is called she because all the men turn and look at it when it passes along the street

A 24 year old grandfather is one of the freaks

of Americus, Ga. We see nothing in this to cause us to change our often expressed opinion that if Georgia were walled in and provided with a hand organ and a deortender she would

make the most complete side show on earth.

Do not be too emphatic in the expression

your opinion, m, son. I once heard your mother speak of the Bliggses as the seum of the earth. Since then the "seum" has risen, as it always foce, first or last, and will have nothing to do with your mother or me.

A cymic gives it as his opinion that there

A cynic gives it as his opinion that there is about as much sincerity in modern fashionable hospitality as there is chicken in the restaurant chicken salad. Policy and self interest and personal promotion, be saye, govern nearly all the entertainments of the

A countryman with a distressing tootbache asked a druggist for something to relieve him. "We have various remedies for that trouble,"

said the drug man, "and can give you any-thing you like." "In that ca-e," said the countriums, "I guess you kin give me a small bottle of Boston faith cure."

Husband (to Mother-in-law)-I want to show

velled Johnnie.

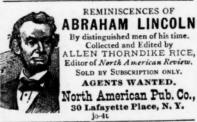
night he falls over a chair, and when maw gits mad he says it's a pretty way for a woman to go on just because a man takes two beers and expedient to make fools and wise men equal. A pretess says: "He gazed upon my burn-ing eyes and fied." This would seem to indi-cate that he was not a member of the fire

A STANDARD MEDICAL WORK A New Orleans paper which circulates chiefly among negroes, heads its Christmas editorial, "Glori in Excelsis! Deo Terra Pax." There's nothing like Latin.

THE SCIENCE OF LIFE der Lord spare mine life der remainder of mein days, und I ton'ttie pefore dot time al-ready, I serff Him while I liff."



Exhausted Vita ty, Nervous and Physica Debility, Prematur Declie in man, Errors of Youth, and the outoid mesties resulting from indiscretions or excesses. A book for every manyoung, middle-aged and o. 1. It contains 125 prescriptions for all acute and cyronic diseases, each one of which is invaluable. So found by the author, whose experience for 23 years is such a probably never before fell to the lot of any physician. 300 pages, bound in beautiful French muslin, embos-ad covers, full gilt, guaranteed to be siner work in every sense—mechanical, literary and professional—than any other work sold it this country for \$2.50, or the money will be refunded in every instance. Price only \$1.00 by mail, post-paid. Illustrative sample 6 cents Send now. Gold medal swarded the author by the National Medical Association, to the President of which, the Hon. P. A. Bissell, and associate officers of the Board the reader is respectfully referred.



CARDS GO Fancy Pictures and 25 Elegant Cards in Gilt Edge, Silk Fringe, Hidden Name, &c. 180ngster, 1850 Prize of Authors, 10c. 1Vy CARD CO., Clintonville, Ct. 300 GAMES, Pazzles, Parler Magie, Connedrum, FOR 10C., Hidden Name. Turn Cards Co., Clintonville, Ct. Hidden Name. Turn Cards Co., Clintonville, Ct.



NEW ADVERTISEMENTS.

Trade-Mark because it so aptly illustrates a woman sinking under disease and weaknesses, who, when all else has failed, is finally rescued by Zoa-Phora, a sure remedy for all complaints peculiar to he sex. Would a drowning person cling

to drift wood and disregard the staunch boat?

NEW ADVERTISEMENTS.

Many a woman realizes that

Coloma, Mich., Dec. 5, 1885. Genilemen: One of your circulars came to my notice to-day and it reminds me of an old and very valuable friend, one that saved my life 12 years ago and because I had not needed its help since I had almost forgotten it. I was 16 years old; I coughed continually and had chills every day; I was as miserable as any one could be and live. A lady who knew the cause of my illness persuaded my mother to have me use Zoa-Phora-it was called Woman's Friend then—before I had used one bottle my cough and chills ceased. I kept on and used two bottles and they brought me out all right. I afterwards married and am now the mother of three nice, hearty children. I feel that I owe a great deal to Zoa-Phora. I hope it will become well known and that every woman and gril who needs it will use it. If you will send me some circulars I will give them to acquaintances and do all I can to help you. Yours truly,

To the Zoa-Phora Medicine Co., Kalamazoo, M.

Coloma, Dec. 6, 1885. \* \* Yes, use my letter, name and all, in any way that it will help you, and refer to me freely. \* \* \*

LAURA FURMAN.

Urichsville, O., April 3, 1884. I have seuffered five long vears with female weakness. I spent

Uricheville, O., April 3, 1884. I have suffered five long years with female weakness. I spent nearly one hundred dollars per year for medicine and doctors, receiving but little benefit. I was finally persuaded to try Zoa-Phora. I have used four bottles, and now consider myself cured. But I keep it on hand, and a dose now and then keeps me in splendid health. Any woman who needs such a remedy, will find Zoa-Phora worth its weight in gold.

Miss I. L. Mandon, Mich., Jan. 17, 1835. I cannot express my gratitude for the benefit which I have received from your Woman's Friend. It has cured me of a distressing distressing distressing distressing distressing distressing the could not stand on my feet. I have taken three bottles of your medicine and am cured. It is surprising to my family and to my physician.

Yours with respect, Miss I. L. R. F.

year by year, month by month, she is succumbing to disorders that, unchecked, will finally overpower her. She is convinced that Zoa-Phora is the truest means of rescue, yet she either does nothing, or else clings to treatment that never has helped her and never will. Many have done otherwise, and here is their testimony: (We have hundreds of such witnesses.)

NEW ADVERTISEMENTS.

Detroit, March 28, 1835. To the Zoa-Phora Medicine Co. Gentlemen:—I have just been talking with one of my customers about your medicine, and think you would like to know what she says: Mrs. Cobett, 227 18th street, says that she used it with the greatest success. Here is a case of long standing. She has faithfully tried other treatments, and pronounces Zoa Phora superior to any other. It is with pleasure that she makes this statement, and has no objection to its public use as a means of having others try it.

I have sold it to other ladies, who have used it with most flattering results. All give high opinions of it. It is a pleasure to sell an article of such positive merit. Yours respectfully.

ROBERT FULTON,
Pharmacist, 375 Baker St., Detroit.

Poynette, Wis., Dec. 29, 1881. Dr. Pengelly — My daughter is all right now, and sends you many thanks. After doctoring four years with the best physicians we could procure, and being so reduced that she weighed only 76 lbs., and could sit up only a small part of the time, her cure by your medicine is almost a miracle. People look at her with astonishment. She now weighs 121 lbs., and is strong and well.

Very respectfully, Mrs. B. F. BULL.

THE FULL NAMES of these witnesses, and of scores more, just as good, we will furnish privately to any lady who may

Sometimes a woman fears that she has Female Weakness, when her trouble is of an entirely different nature. A careful study of our book, "Facts for Women," (which we send to ladies only, in sealed envelope, on receipt of 10 cents,) would either show her that she has no such complaint, or teach her what to do if she has.

The price of Zoa-Phora is, one bottle for \$1, or six bottles for \$5. Where druggists do not keep it, on an order for \$5. worth we will prepay the express. The dose is small. It is therefore inexpensive.

#### ADMONITION TO MOTHERS.

Do not let your daughters say, as so many have said to us again and again, almost in the same words: "If my mother had known and had taught me the facts contained in your book, instead of leaving me to learn them by bitter experience, how much better it would have been for me."

"If my mother had known of Zoa-Phora, and had used it to correct my ailments when they first began, how much of suffering I should have escaped.'

For Books or confidential testimonials, Address, Private Secretary of Zoa-Phora Co., Kalamazoo, Mich.

Complainan's Solicitor.

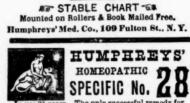
Dated December 24, 1885 M. C. LOUISE DARMS FAR TER,

Attorneys for Assignee.

N. B.-Letters addressed to the Private Secretary are seen only by him and our Consulting Physician.



Horses, Cattle, Sheep DOGS, HOGS, POULTRY, In use for over 20 years by Farmers, Stockbreeders, Horse R. R., &c. Used by U. S. Covernment.



Nervous Debility, Vital Weakness,



A Great Medial Werk on Wanhood

ciate officers of the Board the reader is respectively referred.

The book should be read by the young for instruction, and by the afflicted for relief. It will benefit all.—London Lance!

There is no men ber of society to whom this book will not be u-eful, whether youth, parent guardian, instructor or cleryman.—Argonauc.

Address the Peabody Medical Institute, or Dr. W. H. Parker, No. 4 Sudinch Street, Boston Mass., who may be consulted on all diseases requiring skill and experience. Chronic and obstinate diseases that have baffled the HEAL Suci treated successfully without an in—THYSELF stance of failure.



CHEAPER THAN EVER.
Side lever Breech Loader,
\$13. The Famous \$15
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Riffee, \$5, \$4, \$5, \$6
Roller Skates, Watches,
Kulve, etc. Send stamp for
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P. POWELL & SON, 180 Main \$5., CINCINNATI, O. BIC OFFER. To introduce them we will GIVE AWAY 1,000 Self-Operating washing Machines. If you want one send u voor name, P. O. and express office at once. The National Coal State of the State of State o

sales and big profits easily made by men or women making less than \$40 per week. We guarantee the very best chance in America for live men and women to make money. An agent writes: "Your plan brings the money quick." H. Y. Merrill & Co. Chicago, Ill.

you what Agne has bought me for Christmas she has left the drawer unlocked. She knows how fond I am of Japaneas work, and see! she intended to surprise me with a dozen unique dinner plates. Mother in-law (carcastically) — Dinner plates. The se are buttons for her new

# Michigan Central R. R. Depot foot of Third street, Ticket offices. 86 Woodward avenue, corner of Jefferson avenue. Merrill block and Depot. All trains arrive and depart on Central Standard time, which is 25 min utes slower than Detroit time.

A T a session of the Circuit Court for the County of Wayne in chancery convened and held at the Circuit Court room in the City of Detroit, on the 15th day of December, in the year one thousand eight hundred and eighty-five Present: Hon. F H Chambers, Circuit Judge. August Rosenberg vs. Mens Rosenberg. In this cause the sheriff of said county having made and fied his return that he could not serve the subponatises of the return that he ould not serve the subponatises of the return that he could not find her within his ballwick and it appearing by sffidwit of said combinant duly nied in said cause that haid defendant is a resident of Michigan, to wit, the city of Detroit; but that said embreas could not be served upon her because of ner continued absence from her said place of residence, on motion of James J. Atkinsen, solicitor for complainant, it is ordered that said defendant cause her appearance to be entered in said cause on or before the 17th day of March, 188. F. H. CHAMBERS, Circuit Judge.

JAMES J. ATKINSON,

Complainan's Solicitor. Leave. going west Chicago Trains | New York Limited Ex. | \$1.30 p m | Mail, via Mail&Airline | #7.00 a m | 9.10 a m | \$4.00 p m | \$8.00 p m | \$8.00 p m | \$9.15 p m | \$9.15 p m | \$1.50 \$11.15 p m \*6.00 p m \*6.45 p m \*11.45 a m . 8.00 a m GRAND RAPIDS TRAINS.

\*6.45 pm \*11.45 s m \*7 (0 s m d22-6t Bay City and Saginaw. \*8,45 a m Mack'w & Marq'e Ex. \*6,05 p m Night Express...... †11.00 p m MORTGAGE SALE -Default has been my'e MORTGAGE SALE—Default has been made in the conditions of a certain mortgage made and delivered by Oliver H. P. Green and Louise J. Green to Laura Busch, dated February 9, 1878, and recorded in the office of the Register of Deces for the County of Wayne, in Liber 110 of mortgages on page 74, on February 11, 1878 Said mortgage was afterwards duly assigned by said Laura Busch to the undersigned M. C. Louise Darmstatter by assignment dated Aunust 24, 3881, as directorial resignments of comber 28, 1885, in Liber 25 of assignments of not tagges, page 506. By said default the power of sale contained in said mortgage has become operative. The sum of one thousand and sixten TOLEDO TRAINS. 

Canada Division Buffalo and To-ronto Trains. 

of sale contained in said more age has become operative. The sum of one thousand and sixten collars and twenty-one cents is claimed to be one on said mo tagge at the cate of this notice. No suit or proceedinglet law for in equity has been instituted to recover the sum secured by said mortgage or any part thereof. Notice is therefore hereby given that said mortgage will be foreclosed by sale of the premises the rein section does not part thereof, viz: All that certain piece or parc I of lend situated in the city of Detroit, County of Wayre and State of wichigan, and knewn and described as fllows, to wit: The weseerly one-half (\frac{1}{2}\) of lot numbered one (1), on the south side of Michigan Avenue, of DeMar's subdivision of part of lots numbered sixty-two (\frac{1}{2}\) and sixty-three (\frac{1}{2}\) of the Porter fam (so called) in the city of Detroit, according to the recorded plat of said subdivision, with the hereditaments and appartenances thereunto belonging, at public vendue at the westerly front door of the City Hall in the city of Det oit, in said county, that being the building wherein the Circuit Court for said county is held, on the 27th day of March, A. D. 1886, at ten o'clock in the forenoon, to satisfy said debt, the interest and coye of foreclosure.

Dated December 24, 1885

M. C. LOUISE DARMS TAE TTER. LAKE SHORE & MICHIGAN SOUTH-Trains run on Central Standard Time. 

The 5 40 p m train will arrive, and the 3 60 p m train depart from the Third street depot. Other trains will arrive and depart from the Brush street depot. Daily except Sunday.

Up-town ticket office No. 66 Woodward Ave. or Jefferson, Merrill block

FLINT & PERE MARQUETTE BALL-

Trains run on Central Standard Time. Bay City & Saginaw Mail... Arrive,
Bay City & Ludington Exp \*3:33 p m \*12:43 p m
Bay City & Saginaw Exp \*9:36 p m \*6:49 p m
Bay City & Ludington Exp \*2:45 a m \*11:39 p m

WABASH, ST. LOUIS & PACIFIC R. B. Depot foot of Twelfth Street. Trains ran on Central Standard time.

Central Standard time.

Leave.

Chicago & Local... Exp. \*\*.15 am \$1.50 pm \$11.50 pm \$1.50 p

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§ Except Monday.
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LEONARD'S PATENT SPECIE PACKET, FOR SENDING COINS SECURELY BY MAIL. Holding day fraction of a dollar; coins can't lose-out; its any envelope. Wanted in every bouse. Send 19c for sample dozen post-patd. C. H. LEONARD, 39 Miam Ave., Detroit, Mich.

CUTCHEON, CRANE & STELLWAGEN, Attorneys for Assignee.

In pursuance of a decree of the Circuit Court for the 1 ounty of Wayne, in chancer, entered on the 8th day of January, 1886, in a cause where in John A. Hollands is complainant, and Charles H. Borgman is defendant, I et al., on the 26th day of February, 1886, at the hour of eleven o'clock in the fore own, at the Griwold street entrance to the City Hall in Detroit well at public aution, lot six (6) in block 14 of the A. Beaublin form in the City of Detroit, Wayne County, Michigal, which lot is on the south side of Outario street, between Antoine and Hastings streets, subject however to all the liens on said premises prior in date to that of said John A. Hollands, ATKINSON & ATKINSON, Receiver. Depot Foot of Third Street, Ticket office, 33 Woodward ave., cor. Jefferson, Merrill block. Sleeping Car on Night and Parlor Cas on Day Trains.

\*Daily except Sundays †Daily.
C. A. WARREN P. & T. Agt. ATKINSON & ATKINSON, Receiver. Complainant's Solicitors. j12-7t IN pursuance of an order of the Circuit Court for Wayne County In Chancery, entered on the 12th day of January, 1886, in the matter of Bridget Kilroy, an incompetent person, the undersigned will as quardian of said incompetent person, self at public auction all the right, title and interest of the said incompetent person in and to the following premises, viz: "ne south twenty-two and 6-100 feet of lot sity nine, and the north twenty and 6-100 feet of lot sity nine, and the north twenty and 6-100 feet of lot seven y of section ten of the Govern rand Judges" plan of the City of Detroit. Said sale will take place at the Griswold street entrance to the City Hall it Detrit on the fifth day of Marca, 1886, at the hour of one o'clock in the afternoon HOWARD WIES", January 12 1886. Special Guardian.

DETROIT, MACKINAW & MARQUETTS
RAILROAD. December 28, 1885, Pioneer East and West Line through the Uppe Peninsula of Michigan. STATIONS. No. 1. No No. 2.
P. M.
140 A. Marquette D 2 06
2 80 Ouota 1 13
2 50 Au Train 12 45
8 25 Munising 12 06 P. M. Seney. 12 40
5 50 Dollarville. 9 56
5 57 Newberry. 9 50
7 25 Paires. 8 81
8 15 D. St Ignace. 4 7 00 Via M. C. or G. R. & f. Roads and Connecti 6 15 a m A. Mackinaw City. D 9 30 p n
10 25 p m Bay (ity. 6 45 a n
8 35 "Sagiraw 6 30 "
5 15 "Grand Rapids 10 30 "
2 15 "Kalamazoo 1 40 p m
4 10 "Port Huron 10 40 "
6 05 "Detroit 10 45 "

Nos. 1 and 2 are express trains and run daily making close connections at Mackinaw City with Michigan tentral night trains
Connections made at Marquette with the May quette, Houghton & Onlonagon Railroad for the fron and Copper Districts, and with boat lines for Duluth snd the Northwest.

Trains daily except Sunday.
Trains run by Central Standard Time.
A. WATSON, B. W. ALLEN,
Gen'l Sup't., Gen'l P. & T. Ayent
Marquette, Mich.

Marquette, Mich.

20 New Style Chromo Hidden Name Cards, 10a, Game

Blatchford's Royal Stock Food.

NEW ADVERTISEMENTS.

#### FEEDING FOR BEEF

BY F. H. SMITH, ADDISON, MICH.

Paper read at the Annual Meeting of the Michigan Shorthorn Breeders' Association, held at Lansing Dec. 1st and 2d, 1885.]

I have made the growing and feeding of cattle for beef a sort of specialty in connection with my other farming operations for a number of years, with more or less success. Not so successful, however, as I ought to have made it, or believe I perseverance.

Of all branches of farming I believe there are none to which the words of Patrick Henry (eternal vigilance) can be more appropriately applied than the proper growing and fattening of cattle and sheep. My plan of feeding at present is to buy my stock steers (I prefer twoyear-olds) late in the fall or early winter. F ormerly I bought late in the winter or early spring, but of late years I have found it difficult to buy them in the spring low enough to get much pay for keeping through the summer. I feed lightly with grain the first winter, but allow them to consume as much as they will of hay and coarse feed. Of course the amount of grain fed depends upon the quality of the coarse feed. If marsh hay and straw, more grain; if plenty of average gain was 4001 lbs., or 1 86-100 good timothy and clover hay, with a lbs. per head per day. liberal lunch of corn-stalks during the middle of the day, a very little grain will FEE DING VALUE OF ROOTSanswer to keep them in a growing con-

I believe in feeding as much of a variety as possible daily during the winter, feeding my best hay nights and mornings in the stables, and the damaged or coarse hay in racks in the yard feed, and the weather is favorable, scatter a load in the open field. I never want my cattle disturbed by feeding before daylight in the morning or after dark at night. I find my cattle will make way with a great deal of coarse, poor hay during the day if fed in the yard or open field, that they would barely smell of you. I think a great deal of the FARMER. when confined in the stable. I keep my cattle on straw a good deal of the time during the winter, but not outside of it. Any farmer who, after raising a good crop of wheat, will starve his cattle for hog family than any other one breed. All the sake of making them eat up his straw stack, in my opinion ought to be ar- ones, owe their best qualities to the Yorkreste d for cruelty to animals, sent to the house of correction and kept on bread white hogs have been bred under and water until the grass grows in the different names, such as the large Yorkspring. I know that our learned pro- shire, the small and the middle Yorkfessors at our Agricultural College tell us shire, the Windsor or Prince Albert, the of the fat and muscle producing properties contained in straw, but I would like hill, and the Manchester. All these are to ask them if sawdust does not contain about the same ingredients?

gradually, by allowing them to roam at owe their most valuable characteristics to starts, or the ground becomes settled all intents and purposes, is the improved sufficiently to keep the cattle from slumping, at the same time diminishing the fe ed of grain, but giving all the hay they will eat, and as long as they will eat it. I find the best way is to have and vice versa. They mean the same racks, placed in the pasture on some elevation or as dry a place as may be, keeping hay in them, giving the cattle an op-I find they will eat a good deal of hav if changed at once from dry feed to flush pasture. As to the kind of pasture, if I them. could have it just to my liking, I would have about one-quarter timothy and clover and the balance old sod of mixed grasses, such as June or blue grass, redtop, etc. Or, in other words, such grasses as nature furnishes us on most of our farms in Southern Michigan after the timber has been removed and the brush and briers destroyed.

I keep my cattle as quiet as possible during the summer, never changing from one pasture to another if I can avoid it. Give salt about once a week, or as often as they seem to require it; see that they have plenty of water convenient to get at. As to kind of water I can't see but that they do just as well on warm stagnant water if there is plenty of it (and sometimes I think better), than on cool spring water. As to amount of land required to carry a three-year old steer through the summer in good shape, (what I mean by good shape is to get him fat), I estimate about three acres of good grazing land in ordinary seasons. I usually sell out my fattest cattle during the summer months, keeping the rest and feeding amply in the fall with shock corn, usually until about the middle of December. I believe there is no time during the year in this State that beef can be made so cheaply as during the months of October and November by feeding liberally with shock corn while the cattle are running in pas-

own raising. But as long as good calves cellent results. Another way to judge of an can be bought from \$8 to 12 per head in article is by the character of the man or men the fall of the year, from six to eight months old, it hardly pays to keep cows | c for the purpose of raising calves. About the middle of last December I shipped to the New York market eight three year old steers of my own raising, an approximate or estimated cost of which I made out, and it was published in our county investigated carefully and were convinced that papers. Some of the members of this it was a thoroughly honest business and that convention may have seen it before, but the merit of the medicine made it a safe thing probably not many, and as it may be in- for them to invest in. teresting to some I will read a part of it. They were all high grade Shorthorns, some of them, I presume, thoroughbreds, but not registered. They had the same slipped, rolled upon Jacob, wedging his legs care as the rest of my cattle until the last between the sleds and resting upon his hios. year, when they were kept by themselves | Henry endeav ored to move the log, but not most of the time and fed heavier with grain. As the grain consisted a larger part of the time of corn and oat meal, mixed, about one half each, I have made that a standard of the grain, valued at \$1 25 per cwt. The hay I have put at \$8 December was about six months. Il Curtis, Madison, Wis.

valued them at that time at \$15 per head. I give the result as follows:

Value of eight calves, Dec. 1, '81...
Fed 2.4:0 lbs meal during winter 1881-2..
Fed four tons of hay
Ten acree of pasture in 1882...
Fed 4.800 lbs meal in winter of 1882-3... Fed six tons hay in
Sixteen acres of pasture in 1883.
Fed 7,200 lbs meal in winter of 1883-4...
Fed ten tons of hay

Cost of eight steers May 1, 1884 ..... The eight steers were three years old on above date, and weighed 12,040 lbs. As beef cattle at that time were very high might have made it, had I not lacked they would have sold for about 64c per lb., or \$788 60, making a fine profit of \$198 60.

Now for the profits of feeding the next seven months, from May 1st to Dec. 2d. They were fed during the first part of the summer about eight and the latter about twelve pounds of meal per head per day, an average say of ten lbs. a day per head for 215 days. They also had the use of 16 acres of pasture, and consumed about five tons of hay. We have the following:

Value 8 steers May 1, '84, 12,040 lbs at 616c \$788 6

Cost of pleasure in keeping fine cattle \$ 56 10 Their growth varied during the 215 care to keep stable clean. She now has days from 310 to 460 lbs. per head. The

SMALL YORKSHIRE HOGS.

PRAIRIEVILLE, Jan. 18, 1886.

To the Editor of the Michigan Farmer. I would like to inquire through the FARMER of the farmers as to the general characteristics of the Small Yorkshire hog. Are they a very small hog, and who during the day; or, if I have stalks to has them for sale? Also the relative value of mangolds and turnips to corn for feeding pigs in winter. At the present price of pork we farmers have got to the expense of wintering pigs if there is to be anything left to pay for fattening. I would also like to ask the FARMER which pays best, to keep hogs one year and a half, or to feed early pigs? If this O. M. ANDERTON.

The Yorkshire hog has probably been the means of greater improvements in the the white hogs, and many of the spotted shire. In England a number of improved Middlesex, the Suffolk, Coleseither Yorkshires, or a cross of the Yorkshire upon some other closely allied fami-In c hanging my cattle from dry feed to ly, as the Cumberland. In this country grass in the spring I endeavor to do it the Chester White and the Cheshire hogs will over my pastures as soon as the grass | the Yorkshire. The Small Yorkshire, to Suffolk. Some breeders are tenacious regarding names, but we cannot tell when a Suffolk is shown whether its owner will class it as a Small Yorkshire or a Suffolk, thing.

As to the relative feeding value of mangolds and turnips as compared with corn. portunity to go and take a free lunch of it would be best to rely upon corn, at the same whenever they desire to do so. present prices, and with the thermometer at its present range. Turnips or mangolds long after the pasture has become seem. are not calculated for an entire diet for ingly abundant. By adopting this plan I hogs. But if you will give one feed a day, whole wheat flour and boiled linseed. find I can carry my cattle over from the supplementing it with corn, your hogs with barley water and scalded milk to dry and more concentrated feed of will do better and be healthier than if drink. If the diarrhosa does not stop winter to the full feed on grass in the confined entirely to a corn diet. If any give one powder to each pig of the folspring, without that derangement of the of our readers have had experience digestive organs that is liable to follow in feeding mangolds or turnips to their hogs we should be pleased to hear from

The quicker you can grow a hog and place it in market the larger the returns will be. If your pigs come early in spring, they should be ready for market before very cold weather sets in, and the cost of feeding will be much less in warm than in cold weather. In fact, hogs can be put into market in this way which cost little or nothing for grain, having only had good pasture and a chance to glean in the wheat and corn fields

Remedy for Potato Rot.

WHITEHALL, MICH., Jan. 28, 1886. To the Editor of the Michigan Farmer. Your paper of December 29th has a long article on the potato disease. Permit me to say that for thirty years, when rot was about, I have dug soon as ripe, and got them into the cellar as fast as possible. Then throw quarter of an inch of slacked lime over the bin floor, put in nine or ten inches deep of potatoes, and lime again, repeating till all were thus secured. If the disease is the same, the lime will dry up every affected spot, leaving the rest sound.

SEVENTY-SIX.

WE wish to call the attention of our readers to the advertisement of a Kalamazoo article on page seven. There are two safe ways to judge of an article. One way is by its works. We cannot speak from personal knowledge, but if estimonials ever prove anything, they prove I usually grow a few calves of my that zoa-phora is constantly accomplishing exconnected with it. The character of the men composing the zoa phora company is first class in every respect. They are all old and well known citizens of Kalamazoo. Among them are some of the most experienced and reliable bankers and manufacturers in Michigan. These men did not put their money and their moral support into zoa-phora until they had

> At Wabash, Ind , Jacob Chritman and his brother Henry were hauling logs, when a log being able to do so, rolled it over the victim's breast and head, inflicting injuries which will result fatally.

THOSE who have used the Boss Zinc and Leather Collar Pads and Ankle Boots say they per ton and the pasture at \$5 per acre.

The average age of the calves the first of Harness Makers on 60 days' trial. Dexter are the best and cheapest, because most dur-

# Peterinary Department

Conducted by Prof. Robert Jennings, late of Philadelphia, Pa., author of "The Horse andits, Diseases," "Cattle and their Diseases," "Sheep, swine and Poultry," "Horse Training Made Sasy," etc. Professional advice through the columns of this journal to regular emberribers free. Parties desiring information will be required to und their full name and address to the office of the FARMER. No question will be answered by nati unless accompanied by a fee of one doltar in order that correct information may be given consult your own interest by making careful eximinations of your animals; note every symptom, so matter how trifting it may appear to be; eximinations of your animals; note every symptom, so matter how trifting it may appear to be; eximine the nostrik, liming membrane of the bouck, kidneys, &c., cough, discharge from the somels, kidneys, &c., cough, discharge from the somels, kidneys, &c., cough, discharge from the somels, kidneys, &c., cough, discharge from the somes, eyes or mouth; or any other symptom you may observe. In case of lameness, note the manaer in which the animal picks up the foot, carries the lige forward, or backward, swealing sensitive to the touch or otherwise, soft or hard. These symptoms, when properly given, assists us to locate the disease, seat of lameness in obscure symptoms, when properly given, assists us to locate the disease, seat of tameness in obscure rasss, with some degree of certainty. The symptoms should be accurately described, how ong standing, together with color and age of animal, and what treatment, if any, has been resorted to. Private address, 201 First Street, Detroit.

Thrush-Causes and Cure.

CHAPEL, Kent Co., Jan. 14, 1886 Veterinary Editor Michigan Farmer.

I have a black mare about 15 years of age, that is with foal. While in pasture she was in upland fields; and I take good thrush in feet. You will much oblige me by answering the following question What is the cause of the thrush dis ease? 2. What should I use as a remedy INQUIRER.

Answer .- Thrush in the horse's foot is known by a fetid matter from the cleft or division of the freg, occasionally accompanied by lameness. The causes are attributed to standing in filthy stables, wet straw yards, &c. Foreign substances, as dirt and mud filling up the cleft of the frog, will cause irritation and produce thrush. Treatment: Wash the feet well with castile soap and water; then fill the cleft of the frog with powdered sulphate of copper while wet, covering the same with a little cotton or tow to keep out the dirt. Sulphate of zinc and willow charcoal, powdered, equal portions, is a good application.

Dysentery and Prolapsis Ani in Pigs

PORTLAND, Mich., Jan. 19, 1886.

Veterinary Editor Michigan Farmer. I have some pigs nine weeks old; two weeks ago I not ced they had a diarrhea; their ears and bodies looked as though they had been greased; a day or two following the rectum of one protruded about an inch, appearing very much inflamed being followed shortly after by the small intestines forming a bunch as large as Since then two more have been my fist. similarly affected; they eat well and seem to be in good spirits; the mother has not shown any signs of diarrhes, but last night she appeared to have lost all use of her legs, not being able to move; at noon appearing well; she died today. nest under a straw stack, having a good. warm, dry place. Can you tell me what ails my pigs and give remedy?

Auswer-The trouble with your pigs is dysentery, and is likely caused by some irritant that the mother has eaten, possibly poison, causing loss of muscular functions. The young pigs may have eaten of the same, or absorbed the poison from the milk of the sow. The eversion of the rectum is a result of the diarrhea, or straining. Treatment: Return the rectum and intestines with oiled fingers and apply a truss or bandage over the part and give two grains of opium to prevent straining. A change of querters and diet is essential. Give gruel made of owing: Opium, 15 grains; sulp. iron, 4 drachms; ginger, 2 oz. Divide into eight powders.

Indigestion in a Calf.

WILLIAMSTON, Jugham Co., Jan. 11, 1886. eterinary Editor Michigan Farmer. I have a calf about nine months old that has been sick for four or five weeks. It bloats at times. We have given it some medicine and tapped it a number of times. Please tell me what it is,

and how to treat it.
YOUNG SUBSCRIBER.

Answer.-From your description we are inclined to believe the trouble with your calf is indigestion. As your animal has been sick several weeks, it may be too late for treatment. We would advise, however, giving the following: Socotrine aloes, puly., two ounces; gentian root, pulv., one ounce; Jamaica ginger root, pulv., and nit. potassa, pulv., of each half an ounce. Mix all together and divide into twenty powders. Give one night and morning.

# COMMERCIAL.

DETROIT WHOLESALE MARKET.

**DETROIT**, January 26, 1886. Flour .- There is a dull and easy market, with prices unchanged. The demand for the home tra e is fair, but shippers are not doing much

Quotations yesterday were as follows: 

 Michigan white wheat, stone process \$3
 75
 24
 00

 Michigan white wheat, roller process \$4
 50
 24
 75

 Michigan white wheat, patents.
 5
 00
 25
 25

 Minnesotas, bakers.
 4
 50
 24
 75

 Minnesotas, patents.
 5
 75
 26
 60

 Low grade winter wheat
 3
 50
 23
 70

 Rye
 3
 50
 24
 70

 Buckwheat per cwt
 2
 00
 22
 75

Wheat.-The market opened up strong and ctive, with prices advancing until they ranged 14@1%c higher than on Saturday. Before the close, however, values settled back but last tran sactions were fully a cent higher than on Saturday, the market ruling quiet but firm. Cash wheat s quoted as follows: No. 1 white, 901/c; No. 2 red, 8914c; rejected red, 72c. Futures closed as follows: No. 1 white-February, 901/2c; May, 95c. No. 2 red-February, 90c; March, 911/c; May,

94%c. Corn.-No. 2 is quoted at 384c, new mixed a 37%c, and new high mixed at 38%c. Oats .- Market firm at 3416@34%c, and No.

nixed at 31c. Barley .- Market steady and quiet, No. State is quoted at \$1 40@1 45 \$9 cental. By sample prices range from \$1 30@1 50, the latte nly paid for choice. Some low grade barley sold down to \$1 20 % cental.

Rye.—Market dull at 60c % bu, for No. 2 Feed.-Bran is quoted at \$12 50@13 00 P ton; rse middlings at \$12 75@13 00, and fine do at \$14 50@\16 00. Butter .- Market dull. Creamery is quoted at 24@28c for good to choice; dairy at 13@14c for good, 15@16c for extra fine quality; off grade

entirely neglected. Butter substitutes, 121614c. Cheese.-Michigan creams, 11@12c; skims 41/4 25%c 9 b. Ohio full creams, 104@11c. Eggs.-Market dull at 18@19c for fresh stock e preserved are dull at 14@16c.

Fruit.-Apples steady; quoted at \$1 25@ ries quoted at \$6 50@7 \$ bbl. for Cape Cod, the latter for choice; Michigan \$5@5 50 % bbl., or \$2 @2 25 W bn

Dried Apples .- Market better; quoted at 2% @316c % b. New evaporated stock quoted at 716 @8c 10 1b. \$3 50@4 00; Malaga, 2 50@2 75; oranges, Floridae 9 box, \$3 75@4 25; bananas, % bunch, \$2 00

22 50; cocoanuts \$ 100, \$4 00@5 00; Malaga grapes, \$2 keg, \$2 50@4 50; \$2 bbl., 5 75@6 50. Honey .- New quoted at 18@15c P b . in pound rames; strained, 10@11c. Hay .- Market firm at \$13 00@13 50 \$2 ton for paled car lots of timothy on track; selling in

smaller quantities at \$14 50@15 per ton. Poultry.-The market is dull owing to the reather. Turkeys are quoted at 9@10c, chickens t 708c, ducks at 9010c and geese at 8c. Beans .- Market quiet and weak. City picked are quoted at \$1 35 % bu. in car-lots, or \$1 40 in smaller quantities; unpicked are selling at 60@

Onions.—There is a fair supply of stock and the market is quiet at \$2 00@2 25 \$8 bbl. Salt .- Michigan or Marine City, 95c per barrel East Saginaw or Syracuse, \$1 00.

Hops.-Michigan quoted at 8210c, New Yorks at 10@12c per lb. Eastern markets dull and weak Clover Seed .- There is an active and firm market. Prime closed yesterday at \$5 80, and No. at \$5 6216

Straw.—Baled \$5 50@6 \$9 ton on track. Pop Corn.-Market quiet at 2@3c % b. fo old; new, 116c.

Beeswax .- Dull at 25@28c \$9 tb. Potatoes .- The market is stronger; store lot sell at 50@60c P bu. Cars quoted at 45@50c P bu. Game .- Selling from store at the following range: Bear, 10c P D.; squirrels, 75c@\$1 00 % doz.; pigeons, \$1 50 \$0 doz.; rabbits, 10201214c each Mallard ducks 55@60c # pair; teal and wood ducks 25@30c \$9 pair.

Dressed Hogs.-Doing better; packers ar paying \$4 60@4 65 \$2 100. Retailers are paying 20 toc more for single hogs. Provisions .- Barreled pork has been ad

vanced, and is steady; lard and smoked meats un changed; mess beef inactive and a shade lower tallow quiet and unchanged. Quotations here

e	me me remone.					
u	Mess, new	11	37	0	11	50
e	Family new	11	37	0	11	50
- 1	Short clear	12	25	0	12	50
e	Lard in tierces, per Ib		69	60		-
e	Lard in kegs, per D			60		7
-	Hams, per b			40		5
e	Shoulders, per b			40		
	Choice bacon, per 10			40		7
	Extra Mess beef, per bbl		75	0	9	2
d	Tallow, per D			0		4
	Hay.—The following is a reco	rd (	of t	he	sal	e8

the Michigan Avenue scales for the past week:

the Michigan Avenue scales for the past week:

Monday—10 loads: Four at \$11; three at \$12;
two at \$14; one at \$13.

Tuesday—34 loads: Ten at \$12; six at \$14; five at \$13 and \$10; three at \$11; two at \$10 50; one at \$15, \$11 50 and \$10 75.

Wednesday—26 loads: Eight at \$10; four at \$12 and \$9; two at \$12 50, \$11 50 and \$10 50; one at \$14, \$13, \$11 and \$9 50.

Thursday—28 loads: Six at \$12; three at \$13, \$11, \$10 and \$0 50 and \$8 50.

Friday—35 loads: Nine at \$11; seven at \$10; six at \$12 2nd \$10 50; three at \$10; six at \$12 2nd \$10 50; three at \$150 and \$8 50; one at \$11.50. Saturday-2 loads: One at \$13 and \$11 50.

LIVE STOCK MARKETS.

Below we give the latest reports of the live stock markets east and west for Monday, Jan. 25th. 1885:

BUFFALO. -Cattle, receipts 985; market dull, weak and lower for all grades. Sheep, receipts 6,000; dull and a shade lower; common to fair \$3 30@4 30; good to choice, \$4 30@4 80; lambs, \$4 25@4 75. Fogs, receipts 12,000; opened dull ruled higher, flosed weak; good to choice Yorkers \$4 15@4 20; god to extra heavy, \$4 35@4 50. CHICAGO.—Cattle, receipts 8,500; shipments 2,500; market weak and 10@15 cents lower. Hogs, receipts 22,000; shipments 500; market opened steady, closed | cents lower.

At the Richigan Central Yards. Saturday, Jan. 23, 1885. The following were the receipts at these yard

No. No. No. No.

9	Ann Arbor	23	285	***
	Battle Creek	20	125	
)	Belding	25	196	
	Chelsea	9	123	47
3	Charlotte	17	***	29
•	Clyde	49	219	19
	D., G. & M. R	38	292	30
	Fowerville	27	504	
	Grand Ledge	41	289	70
•	Grand Blanc	20	MO.	10
	Greenville	26		***
1		20	100	***
	Howell	30	12	10
	Holly			42
	Holt	10	118	***
	Leslie	30	498	10
١	Lapeer	26	:::	***
١	Lansing	20	318	20
١	Millbrook	17	42	
1	Marshall	51	194	
1	Mason	25	140	24
1	Metamora	15	76	
١	Milford		236	
١	Northville	4	73	22
1	Oxford	11	190	
1	Plymouth	7		44
	Parma	20		
	Portland	12	7	86
ı	Rochester		174	00
١	Salem		100	***
1	Tekonsha.	38 -	113	***
١	Union City	48		36
١	Webberville	8	60	00
ı		26		***
1	Williamston		302	***
1	Wixom	20	170	26
1	Ypsilanti	9	68	10
ı	Total	742	5,019	525
-1		-		

The offerings of cattle at these yards numbers 742, against 1,079 last week. There was a good attendance of buyers, and an active demand for all grades of cattle. Prices as compared with those of one week ago were fully as high, closing firm at the following

CATTLE.

QUOTATIONS Extra graded steers, weighing 1,300

to 1,450 lbs	00	@5	25
Choice steers, fine, fat and well formed, 1,100 to 1,300 lbs	50	@4	75
Good steers, well fatted, weighing			
Good Mixed Butchers' Stock-Fat		@4	
cows, heifers and light steers	25	<b>@</b> 3	75
Coarse Mixed Butchers' Stock- Light thin cows, heifers, stags			
and bulls	50	@2	
Stockers Stockers	50	@2	
Bulls 9	50	<b>@</b> 3	50

Wooster sold Burt Spencer 3 good butchers' steers av 1,110 lbs at \$4.

Bresnahan sold Burt Spencer 4 good butchers' steers av 1,112 lbs at \$4; 2 choice oxen av 2,035 lbs at \$450, and a bull weighing 1,640 lbs at \$350.

Curtis sold Burt Spencer 2 good oxen and a steer av 1,340 lbs at \$4.

Bresnahan sold Sullivan a mixed lot of 5 head of fair butchers' stock av 847 lbs at \$3.

Gleason sold Burt Spencer 2 bulls av 1,490 lbs at \$350. Roe sold Burt Spencer 4 good oxen av 1,540 lbs at \$3 75. son sold Burt Spencer 2 fair oxen av 1,825

lbs at \$3 50. Lewis sold Wreford & Beck a mixed lot of 9 Lewis sold Wreford & Beck a mixed lot of 9 head of thin butchers' stock av 980 lbs at \$2 85.
Frazel sold Flieschman a mixed lot of 5 head of coarse butchers' stock av 985 lbs at \$2 50, and 3 fair ones av 880 lbs at \$3.
Wooster sold Flieschman 2 fair cows av 1,280 lbs at \$3, and a stocker welgning 640 lbs at \$2 75.
Adams sold Burt Spencer 4 fair butchers' steers av 1,132 bs at \$3 85.
Smith sold Burt Spencer a bull weighing 1,730 lbs at \$3.

Smith sold Burt Spencer a ball weighing 4,100 lbs at \$3.

Sly sold Wreford & Beck a mixed lot of 4 head of fair butchers' stock av 1,045 lbs at \$3.

Merritt sold Wreford & Beck 3 fair butchers'

Merritt sold Wreford & Beck 3 fair butchers' cows av 990 lbs at \$3.
Pridey sold Burt Spencer 5 good butchers' steers av 1,158 lbs at \$4 25; 5 fair ones av 960 lbs at \$3.25, and a bull weighing 1,360 lbs at \$3.25.
Gleason sold Wreford & Beck a mixed lot of 4 head of fair butchers' stock av 967 lbs at \$3.
Katz sold Burt Spencer 4 fair butchers' steers av 1,075 lbs at \$3.75.
Dennis sold Sullivan a mixed lot of 13 head of fair butchers' stock av 998 lbs at \$3.
Beach sold Sullivan 3 stockers av 743 lbs at \$3.
Brown & Spencer sold Burt Spencer 6 fair butchers' steers av 1,015 lbs at \$3.65; 2 to Wreford & Beck av 965 lbs at \$3.50, and a cow weighing 1,000 lbs at \$3. 1,030 lbs at \$3. Spicer sold Caplis a mixed lot of 10 head of good butchers' stock av \$48 lbs at \$3.25, and 3 stockers to Fileschman 766 lbs at \$3

to Flieschman 766 lbs at \$3

Longcor sold Caplis a mixed lot of 4 head of good butchers' stock av 1,097 lbs at \$3 30, and 2 thin cows av 975 lbs at \$350.

Nixon sold Sullivan a mixed lot of 6 head of thin butchers' stock av 970 lbs at \$3 75, and a bull to Burt Spencer weighing 1,640 lbs at \$3 30.

Callen sold Reagan a mixed lot of 5 head of thin butchers' stock av 990 lbs at \$2 55.

Priddy sold Sullivan 12 fair butchers' helfers av 732 lbs at \$3 25.

Adams sold Burt Spencer 2 good cows av 1,365 lbs at \$3 25.

Conley sold Burt Spencer 23 good butchers' steers av 1,160 lbs at \$4; 2 bulls av 1,655 lbs \$340, and 3 coarse cows av 806 lbs at \$2. Montgomery sold Flieschman a mixed lot of 13 head of fair butchers' stock av 993 lbs at \$3 15. Gleason sold Marx 7 fair butchers' steers av 1,063 lbs at \$3 45.

cheason sold Marx 7 fair butchers' steers av 1,003 lbs at \$3 45.

McFadden sold Reagan a mixed lot of 11 head of thin butchers' sto k av 860 lbs at \$2 60, and a coarse cow weighing 1,010 lbs at \$2.

McMullen sold Wreford & Beck a mixed lot of 5 head of fair butchers' stock av 1,092 lbs at \$3 15, and 2 fair steers av 995 lbs at \$3 50.

Clark sold Sullivan 6 fair butchers' heifers av 746 lbs at \$3 25.

Bresnahan sold McIntire a mixed lot of 5 head of thin butchers' stock av 718 lbs at \$3 25.

C Roe sold Webb a mixed lot of 5 head of good butchers' stock av 1,140 lbs at \$3 40; 18 fair ones av 839 lbs at \$3; 5 air cows av 1,400 lbs at \$3 35.

Proctor sold Flieschman 12 stockers av 734 lbs at \$2 55, and a bull weighing 1,160 lbs at \$2 50.

C Roe sold John Robinson a mixed lot of 9 head of fair butchers' stock av 900 lbs at \$3, and a coarse cow and bull av 1,155 lbs at \$2.

Pierce sold Kegan a mixed lot of 12 head of thin butchers' stock sv 963 lbs at \$2.50, and a coarse cow weighing 570 lbs at \$2.50, and a coarse cow weighing 570 lbs at \$2.50, and a coarse low low low low should be a servis sold Wreford & Beck a mixed lot of 26 head of good butchers' stock av 983 lbs at \$3.50, and a follow of 15 lbs at \$3.50, and a low should be seek a mixed lot of 26 head of good butchers' stock av 885 lbs at \$3.50, conley sold Wreford & Beck a mixed lot of 26 head of good butchers' stock av 983 lbs at \$3.50, bevine sold Flieschman 13 stockers av 590 lbs at \$2.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$2.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$2.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sullivan 4 coarse cows av 917 lbs at \$3.50, spicer sold Sulliv

Spicer sold Sullivan 4 coarse cows av 917 lbs a \$2. Conley sold Fileschman 2 bulls av 1,020 lbs at \$2 37¼, and 3 coarse cows av 1,000 lbs st \$2 McMullen sold Wreford & Beck a mixed lot of 20 head of good butchers' stock av 836 lbs at \$3 35, and a s ag wegining 1,130 lbs at \$2 75.

Jedele sold Sullivan a mixed lot of 11 head of good butchers' stock av 894 lbs at \$3 25, and 5 fair ones av 798 lbs at \$3.

Katz sold Sullivan a mixed lot of 14 head of good butchers' stock av 989 lbs at \$3 25.

Priody sold Sullivan a mixed lot of 14 head of thin butchers' stock av 982 lbs at \$2 75.

The offerings of sheep numbered 5,019, against 5,141 last week. The market opened up a little slow at last week's prices, but later the reports from Buffalo were more favorable, and rading became active at prices 10@15 cents higher than those of last week. The market closed very firm.

Wooster sold Fitzpatrick 80 av 68 lbs at \$3. Frazel sold Filzpatrick 71 av 74 ibs at \$3.
Frazel sold Filzpatrick 71 av 74 ibs at \$3.
Taylor sol v Wreford & Beck 175 av 73 ibs at \$3.
Brown & Spencer sold Farwell 68 av 77 ibs at \$2 90.
Nichiols sold Farwell 134 av 76 ibs at \$3 25.
Conley sold Wreford & Beck 166 av 70 ibs at \$3 35.

Gleason sold Donaldson 76 av 83 lbs at \$3 35. Frazel sold Donaldson 46, part lambs, av 67 lb at \$3 60. \$3 60. CRie sold Wreford & Beck 132 av 71 lbs at

350. Ramsey sold Farwell 81 av #3 lbs at \$3 35. Dennis eold Farwell 31 av 93 lbs at \$4. Devine sold Farwell 42, part lambs, av 85 lbs af Proctor sold Wreford & Beck 112 av 71 lbs a McFadder sold Farwell 152 av 84 lbs at \$3 60,

McFadder sold Farwell 152 av 84 lbs at \$3 60, Nixon sold Fitznatrick 122 av 66 lbs at \$2 25. McMullen sold Wreford & Beck 50, part lambs, av 78 lbs at \$4. Beach sold Donaldson 210 av 84 lbs at \$3 75. Curtis sold Farwell 114 av 72 lbs at \$2 90. Ward sold Donaldson 116 av 88 lbs at \$3 90. Beach sold Monahan 137 av 68 lbs at \$2 97'4. C Roe sold Bowman 201 av 82 lbs at \$3 90, and 153 to John Robinson av 64 lbs at \$2 97'4. C Roe sold Honahan 201 av 82 lbs at \$3 90, and 153 to John Robinson av 64 lbs at \$2 50. Irish sold Farwell 89 av 84 lbs at \$3 50. McMullen sold Lossemore 104 av 85 lbs at \$3 55. Milliken sold Farwell 55 av 86 lbs at \$3 25. Jedele sold Fitzpatrick 170 av 63 lbs at \$2 75. McMullen sold Donaldson 177 av 77 lbs at \$3 50. Earl sold Wreford & Beck 29 av 82 lbs at \$4. Egerton solc Farwell 90 av 88 lbs at \$3 50. Egerton solc Farwelt 90 av 88 ibs at \$3 50. Bowman sold Donaldson 300 av 92 lbs at \$3 80.

HOGS.

The offerings of hogs numbered 525, agains 1,574 last week. The supply was not enough to neet the demand, and the receipts were closed ut early at an advance of 5@10 cents per hundred ver the rates of last week.

Lomason sold Oberhoff 10 av 199 lbs at \$3 80. Smith sold Webb 41 av 142 bs at \$3 75. Brown & Spencer sold Drake 9 av 245 lbs at 33 80. \$3 80.

Servis sold Drake 21 av 283 lbs at \$3 87½.

Sly sold Webb 44 av 220 lbs at \$3 85.

Merritt sold Webb 22 av 276 lbs at \$3 85.

Merritt sold Webb 28 av 169 lbs at \$3 75.

Montgomerv \*old Webb 20 av 224 lbs at \$3 80.

Nixon sold Drake 24 av 283 lbs at \$3 85.

Clark sold Webb 19 av 213 lbs at \$3 80.

Ramsey sold Drake 22 av 234 lbs at \$3 75.

Devine sold Drake 18 av 153 lbs at \$3 75.

C Roe sold Prios 32 av 232 lbs at \$3 80, and 9 to Drake av 203 lbs at \$3 75.

Proctor sold Webb 12 av 700 lbs at \$3 75.

Proctor sold Webb 12 av 200 lbs at \$3.75. Longcor sold Drake 26 av 316 lbs at \$3.90.

King's Yards. Saturday, Jan. 23, 1885. CATTLE.

The offerings of cattle at these yards numbered 408 head. The market opened up fairly active Nott sold Genther 2 good butchers' steers av

McFarian sold McGee a mixed lot of 16 head of McFarian sold McGee a mixed lot of 16 head of thin butchers' stock av 867 lbs at \$2.70.

McKinl-y sold Hulbert 5 fair butchers' steers

\*\*TOTO: No. of \$2.00 in the set \$2.00 in

darris sold Heyser 3 fair butchers' heifers av 890 lbs at \$3 30. McFarlan sold Hulbert 4 oxen av 1,640 lbs at \$3.59.

Beardslee sold John Robinson a mixed lot of 20 nead of thin Putchers' stock av 935 lbs at \$2.80.

Smith 80.6d John Wreford 3 fair butchers' heifers av 836 lbs at \$3.20.

Anstey sold H Roe a mixed lot of 8 head of thin

Hoes.—Receipts 168,890 against 168,929 last. Smith s.ld John Wreford 3 fair butchers' neifers av 836 lbs at \$3 20.

Anstey sold H Roe a mixed lot of 8 head of thin butchers' stock av 830 lbs at \$2 70.

Smith sold Houghton 6 stockers av 640 lbs at \$3. Harrer sold Hulbert 6 fair butchers' steers av

1,173 ibs at \$4. McHugh sold Hulbert 2 good oxen av 1,535 lbs at \$3 90, and 3 fair helfers to Hayes & Bussell av 916 ibs at \$3 35.

Anstey rold Brant 3 good butchers' steers av 1,086 ibs at \$4.

Bliss rold Hulbert 10 stockers av 673 ibs at \$3.

Purdy sold McGee a mixed lot of 18 head of fair but hers' stock av 933 ibs at \$2 90.

White sold Dickerson 4 fair butchers' steers av 870 ibs at \$3.60.

White sold Pickerson 4 fair butchers' seers av 70 lbs at \$3 60.

Vanderhoof sold Hulbert 3 \*good butchers' steers av 1,236 lbs at \$4 10.

Lovewell sold Wietzel 13 fair butchers' steers av 1,026 lbs at \$3 60.

Culver sold Sullivan 4 fair butchers' cows av 600 lbs at \$3. Cuiver so:a Sullivan 4 fair butchers' cows av 982 lbs at \$3.
Scoffeld sold Hayes & Bussell 5 fair butchers' heifers av 792 lbs at \$3.30.
McHugh sold Stucker 4 fair butchers' heifers av 792 lbs at \$3.20.
Walls sold H Roe a mixed lot of 9 head of fair butchers' stock av 810 lbs at \$3 15, and 3 fair heifers av 763 lbs at \$3 40. old Kammon 7 good butchers' steers av 992 lbs at \$4 25.

The offerings of sheep numbered 1.650. The drop in the eastern markets last week, did not seem to affect the trade here, and sellers closed out at about the same range of prices as those ruling last week.

Soper sold Wreford & Beck 53 av 90 lbs at \$4.

Smith sold Wreford & Beck 41 av 86 lbs at \$3 59.

Shafer sold Thirtle 119 av 83 lbs at \$3 50.

Anstey sold Andrews 60 av 72 lbs at \$3.

Kalaher sold Somers 86 av 85 lbs at \$3 30.

Chapton sold Wreford & Beck 44 av 75 lbs at \$280. Downer sold Wreford & Beck 20 av 81 lbs at Downer sold Wreford & Beck 20 av 81 108 at \$2 50.
Culver sold Thirtle 37 av 84 1bs at \$3 35.
Lovewell sold Andrews 114 av 64 bs at \$2 90.
Shepard sold Losemore 54 av 66 lbs at \$2 90.
Clark sold Wreford & Beck 132 av 76 1bs at

3 25. Brand sold Milkes 118 av 80 lbs at \$3 50. Scofield sold Wreford & Beck 32 av 8 \$8 50. Newton sold John Robinson 120 av 78 lbs at \$3 25. Webb sold Wreford & Beck 70 av 89 lbs at \$3 60. Proper sold Morey 36 av 60 lbs at \$3 80. Harper sold Wreford & Beck 45 av 86 lbs at

8 75. Simmons sold Thirtle 150 av 72 lbs at \$3. Vanderhoof sold Wreford & Beck 40, part lambs, vandernoor sold Wretord & Beck 40, part lambs, av 68 lbs at \$3.75.
Simmons sold John Robinson 54 av 80 lbs at \$2.50.
Morris sold Somers 80 av 81 lbs at \$3.50, and 49 av 84 lbs at \$3.20.
Baker sold Morey 21 av 97 lbs at \$3.75. The offerings of hogs numbered 277. With

the light supply and a sharp demand the receipts were closed out at an advance of 5 cents over the prices ruling at these yards last week. prices ruling at these yards last week.

Downer sold Rauss 16 av 272 lbs at \$3 80.

Lovewell sold Rauss 15 av 276 lbs at \$3 70.

McFarlan sold Rauss 16 av 193 lbs at \$3 70.

Walls sold Rauss 31 av 199 lbs at \$3 80.

Shepard sold Rauss 42 av 226 lbs at \$3 80.

Anstey sold Rauss 21 av 226 lbs at \$3 75.

Scofield so d Hauss 32 av 181 lbs at \$3 75.

Vanderhoff sold Mils es 43 av 160 lbs at \$3 75.

Wabs at \$3 75.

Webb sold Rauss 8 av 156 lbs at \$3 75.

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CATTLE-Receipts 8,891, against 5,542 the pre rious week. The cattle market opened up very full on Monday with 140 car loads on sale. Reports from the east were bad, and regular onyers for that point only took hold when sellers ad made concessions of fully 50 cents per hundred on the rates of the previous week. Choice o extra steers sold at \$5@5 25; good, \$4 25@4 75 Butchers' stock met the worst market of the season, and was dull at the full strength of the ecline noted above. Tuesday's market was a epetition of Monday, but on Wednesday things were a little better, and prices ruled a shade stronger. Of Michigan cattle 23 steers av 868 lbs sold at \$3 40: 15 do av 966 lbs at \$3 75: 23 do av 947 lbs at \$3 60; 19 do av 1,170 lbs at \$4 20; 22 do av 1.020 lbs at \$3 90; 17 do av 1.023 lbs at \$4; 23 feed ers av 920 lbs at \$3 35; 19 do av 957 lbs at \$3 85; 16 stockers av 796 lbs at \$3; 10 do av 875 lbs at \$3 20; 20 cows av 1,032 lbs at \$2 90; 23 do av 868 lbs at \$2 25; 19 oxen av 1,678 lbs at \$3 65; 16 do at 1,632 lbs at \$3 90; 4 do av 1,670 lbs at \$4 70. The following were the closing

-Graded steers weigh-

Texas and Cherokees corn fed....

Mixed Butchers' Stock—Common
steers, stags, old cows, light heif-

2 00 @2 75 ers, etc....tockers—Good to choice western, tock bulls. utchers' do, fair to good.....eals—Fair to prime of 160 to 210 lbs average...... 0 00 @7 00

SHEEP.-Receipts, 50,800, against 40,300 the pre SHEEP.—Receipts, vo.ou, against ap, oor the pro-tions week. The offerings of sheep on Monday vere very heavy, a'out 135 car loads being on tale. Shippers for eastern markets were almost notirely out of the mark t, although sellers were offering the stock at a decline of 50@75 cents Prof. R. Jennings. Veterinary Surgeon entirely out of the mark t although selters were offering the stock at a decline of 50@75 cents below the rate ruling on the Monday previous. The market closed with the bulk unsold. The receipts were heavy again on Tuesday and the market urchanged. On Weonessay trade brightened up, but prices were no better, closing with fair to good 70 to 80 lbs sheep selling at \$3.25@4;80 to 90 lbs, \$4@4.35;90 to 100 lbs, \$4 at \$3.25@4;90; cuils, \$2.26 at \$3.25 lambs, good to choice, \$3.25 st, 90; cuils, \$2.26 at \$3.25 lambs, good to choice, \$3.25 st, 90; st \$4;13 av 79 lbs at \$3.50;205 av 90 lbs at \$4;175 av 102 lbs at \$4.75;169 av 108 lbs at \$18;148 av \$2 lbs at \$4.25;188 av \$9 lbs at \$4;357 av \$2 lbs at \$4;200 av 85 lbs at \$3.75;142 av 83 lbs at \$3.50;190 av 77 lbs at \$3.20;227 av 92 lbs at \$4.60:117 lambs av 67 lbs at \$5;127

\$3 75; 142 av 83 lbs at \$3 50; 190 av 77 lbs at \$3 20; 227 av 92 lbs at \$4 60; 117 lambs av 67 lbs at \$5; 127 av 76 lbs at \$5 65. HOGS.—Receipts 68,060, against 57,205 the previous week. The bog market opened un with 150 car loads on sale. Trading was dull and slow, there being very little competition among buyers for the stock. Prices averaged about the same os at the close of the previous week. On Tu-sday there was a decline of 5@10 cents, but this was recovered on Wedn-sday, the market closing with good to choice Yorkers selling at \$3 90@405; fair oo, \$3 85@3 90; medium grades fair to choice, \$4 65@4 15; good to extra heavy, \$4 10@4 25; pigs. common to cnoice, \$3 70@3 85; skips and culls, \$3@3 25.

Chicago. Nott sold Genther 2 good butcher.

1,330 lbs at \$4 40.

Newton sold John Robinson a mixed lot of 7 head of fair butchers' stock av 734 lbs at \$ 
Soper sold Stevens a mixed lot of 6 head of fair butchers' stock av 708 lbs at \$ 3.

Harris sold Jennings 4 fair butchers' heifers av 232 lbs at \$ 3.5

Tuesday good to choice cattle sold at an advance 232 lbs at \$ 3.5

FOR SALE. Harger sold Kraft 3 fair butchers steers av 1,000 lbs at \$3.90.

Bunnell sold John Robinson a mixed lot of 21 head of good butchers stock av 887 lbs at \$3.25.

Walls sold Heutter 4 fair butchers steers av 892

There was a decline of 10@20 cents on all but the There was no change on Thursday, but on Friday there was a decline of 10@20 cents on all but the

Av 1,012 for at 55 oc.

Proper sold Hayes & Bussell a mixed let of 7 head of good butch rs' stock av 850 lbs at \$3.25.

Wietzel sold Stonehouse a mixed let of 5 head of fair butchers' stock av 680 lbs at \$3.

Harris sold Heyser 3 fair butchers' heifers av 100 february 100 febru

Hoss.—Receipts 166,890 against 168,929 las week. Shipments 88 612. The supply of hogs of Monday numbered 27,000. For heavy hogs the market ruled stronge, but light grades were weak. Poor to prime light sold at \$\$3 6023 90; if ferior mixed to choose heavy, \$\$3 8063 29; if ferior mixed to choose heavy, \$\$3 8063 25; wit skips and culis at \$\$2 7563 34. The market opene up at a decline of 560 10 cents on Tuesday but recovered before the close. Prices advanced 56 10 cents on Wednesday, 5 cents more on Thursday, declined 5 cents on Friday and closed of Saturday with poor try prime light selling at \$\$3 764 40. with skips and culls at \$\$2 7563 54 40. @4 05; infe ior mixed to choice heavy, \$3 4 40, with skips and culls at \$2 75@3 55.

A dispatch from Bombay states that 11 A dispatch from Bombay states that II Europeans in the employ of the Bombay-Burmah company, while working their way through the Chindwin forest, endeavoring to reach Manipoor, were overtaken by a band of Burmese on the 20th of November, conveyed on board of a steamer belonging to King Thebaw and brutally put to deata.

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neys or Bladder.

It will Cure in Cattle: Indigestion, Colic,
Hoove or Blown, Diarrhea or Dysentery.

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or Dysentery, when given according to directions IT WILL PAY Every owner of a Horse, Cow or Sheep to keep this invaluable remedy always on hand for cases of emergency. Each bottle contains eight full doses for Horses and Cattle and sixteen doses

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